Form 3160-3 (February 2005)				FORM APPROV OMB No. 1004-01	137
UNITED STATE				Expires March 31, 5. Lease Serial No.	, 2007
DEPARTMENT OF THE BUREAU OF LAND MAI				U-01304	
APPLICATION FOR PERMIT TO		REENTER		6. If Indian, Allotee or Trib	e Name
la. Type of work:  DRILL  REENT	ΓER			7 If Unit or CA Agreement, 1 CHAPITA WELLS I	
lb. Type of Well: Oil Well Gas Well Other	<b>✓</b> Sing	gle Zone Multi	ple Zone	8. Lease Name and Well No.  CHAPITA WELLS UNIT 1227-6	
2. Name of Operator  EOG RESOURCES, INC				9. API Well Np. 43-047	3867
3a. Address 1060 EAST HIGHWAY 40 VERNAL, UT 84078	435-781			10. Field and Pool, or Exploratory NATURAL BUTTES	
4. Location of Well (Report location clearly and in accordance with a				11. Sec., T. R. M. or Blk. and S	survey or Area
At surface 817 FNL 702 FEL (Lot 1) NE/NE .  At proposed prod. zone SAME 4436575	40.069750 LAJ 40. OG	1109.362839 LON 1762 -109. 362	153	SECTION 6, T9S, R2	3E S.L.B.&M
14. Distance in miles and direction from nearest town or post office* 50 MILES SOUTH OF VERNAL UTAH		, , , ,		12. County or Parish UINTAH	13. State UT
15. Distance from proposed* location to nearest property or lease line, ft.	16. No. of ac	res in lease		ng Unit dedicated to this well	-
(Also to nearest drig. unit line, if any)  18. Distance from proposed location*	19. Proposed	Donth		ATED BIA Bond No. on file	
to nearest well, drilling, completed, applied for, on this lease, ft. 1750	9715	Depui	NM 2		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)		ate date work will sta		23. Estimated duration	
4891 GL				45 DAYS	
The full mineral and the state of the state	24. Attacl				
The following, completed in accordance with the requirements of Onsho	ore Oil and Gas C	Order No.1, must be a	ttached to th	is form:	
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> </ol>		<ol> <li>Bond to cover to Item 20 above).</li> </ol>	he operation	ns unless covered by an existing	bond on file (see
3. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).	Lands, the	<ul><li>5. Operator certifie</li><li>6. Such other site BLM.</li></ul>		ormation and/or plans as may be	required by the

	BLW.	
25. Signature	Name (Printed Typed)	Date
Janes of Jank	KAYLENE R. GARDNER	09/28/2006
Title \		
ST. REGULATORY ASSISTANT		
Approved by Signature	Name (Printed Typed)	Date
Title	BRADLEY G. HILL	10-05-06
Title	Offenvironmental Manager	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

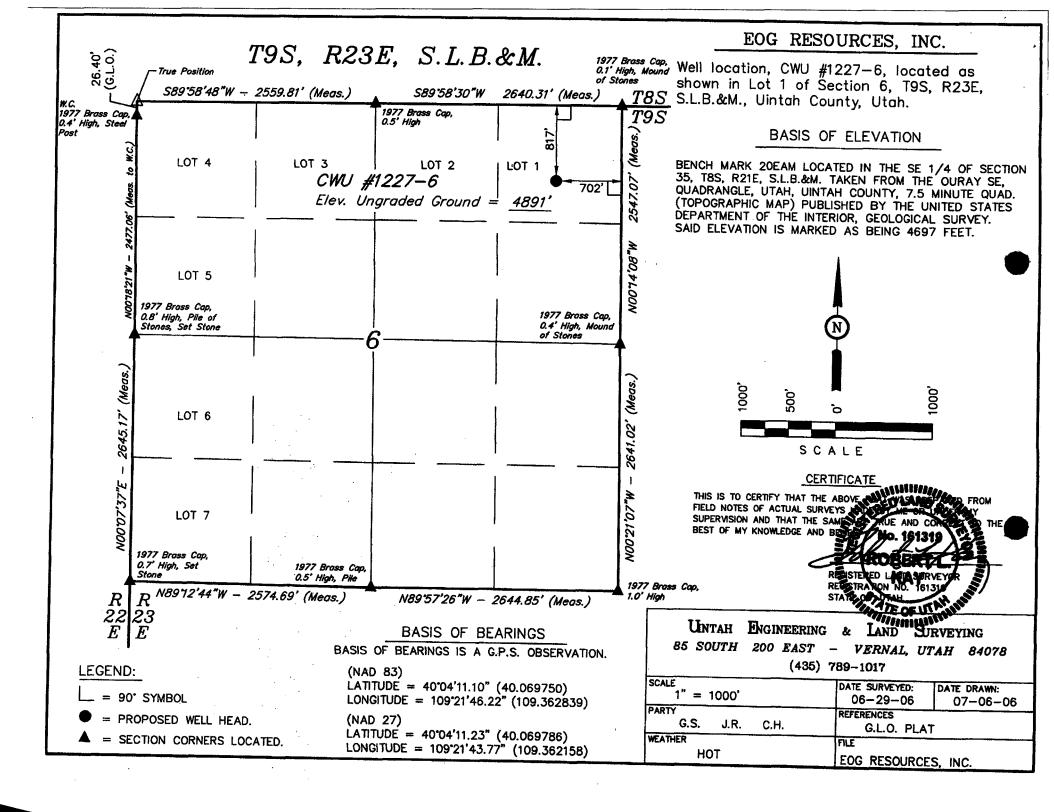
\*(Instructions on page 2)

Federal Approval of this Action is Necessary

RECEIVED

OCT. 0 2 2006

DIV. OF OIL, GAS & MINING



# **EIGHT POINT PLAN**

# <u>CHAPITA WELLS UNIT 1227-06</u> <u>NE/NE, SEC. 06, T9S, R23E, S.L.B.&M..</u> <u>UINTAH COUNTY, UTAH</u>

# 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	DEPTH (KB)
Green River FM	2,032'
Wasatch	5,010'
North Horn	6,872'
Island	7,153'
KMV Price River	7,570'
KMV Price River Middle	8,277'
KMV Price River Lower	9,097'
Sego	9,511'

Estimated TD: 9,715' or 200'± below Sego top

Anticipated BHP: 5,305 Psig

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft  $\pm$  of the Green River Formation, with top at about 2,000 ft  $\pm$ .
- 2. Cement isolation is installed to surface of the well isolating all zones by cement.

# 3. PRESSURE CONTROL EQUIPMENT:

Production Hole – 5000 Psig

BOP schematic diagrams attached.

# 4. CASING PROGRAM:

							<u>RA'</u>	TING FACTOR
<u>t</u>	<u>IOLE SIZI</u>	<u>INTERVAL</u>	<u>SIZE</u>	<u>WEIGHT</u>	<b>GRADE</b>	<b>THREAD</b>	COLLAPSE	E /BURST/ TENSILE
Conductor:	17 ½"	0' - 45'	13 %"	48.0#	H-40	STC		1730 PSI 322,000#
Surface		45' - 2,300'KB±	9-5/8"	36.0#	J-55	STC		3520 Psi 394,000#
Production:	7-7/8"	$2,300' \pm - TD$	4-1/2"	11.6#	N-80	LTC	6350 PSI	,

Note:  $12-\frac{1}{4}$ " surface hole will be drilled to a total depth of  $200^{\circ}\pm$  below the base of the Green River lost circulation zone and cased w/9-5%" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone. All casing will be new or inspected.

# 5. Float Equipment:

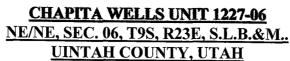
# Surface Hole Procedure (0'- 2300'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5th joint to surface. (15 total)





Float Equipment: (Cont'd)

## Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

#### 6. MUD PROGRAM

## Surface Hole Procedure (Surface - 2300'±):

Air/air mist or aerated water.

<u>Production Hole Procedure (2300' $\pm$  - TD):</u> Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

## 7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 2 – Item E: Special Drilling Operations

EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. Due to reduce location excavation, the blooie line will be approximately 75' in length

# 8. EVALUATION PROGRAM:

Logs:

Mud log from base of surface casing to TD.

Cased-hole Logs:

Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

Cement Bond / Casing Collar Locator and Pulsed Neutron

# **EIGHT POINT PLAN**

# CHAPITA WELLS UNIT 1227-06 NE/NE, SEC. 06, T9S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 9. <u>CEMENT PROGRAM:</u>

Lead:

#### Surface Hole Procedure (Surface - 2300'±):

Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCI<sub>2</sub>, 3 lb/sx GR3 #/sx

Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

Tail: Class "G" cement with 2% CaCI<sub>2</sub>, ½#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps

water.

Top Out: As necessary with Class "G" cement with 2% CaCI<sub>2</sub>, ½#/sk Flocele mixed at 15.6 ppg, 1.18

ft<sup>3</sup>/sk., 5.2 gps water.

Note: Cement volumes will be calculated to bring lead cement to surface and tail cement to

500'above the casing shoe.

# Production Hole Procedure (2300'± - TD)

**Lead:** 154 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29

(cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail:** 910 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13

(Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at

14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

**Note**: The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to 400'± above top of Wasatch. Final Cement volumes will be based upon gauge-hole plus 45% excess.

# 10. <u>ABNORMAL CONDITIONS:</u>

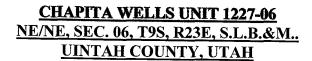
# Surface Hole (Surface - 2300'±):

Lost circulation

## Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.





# 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

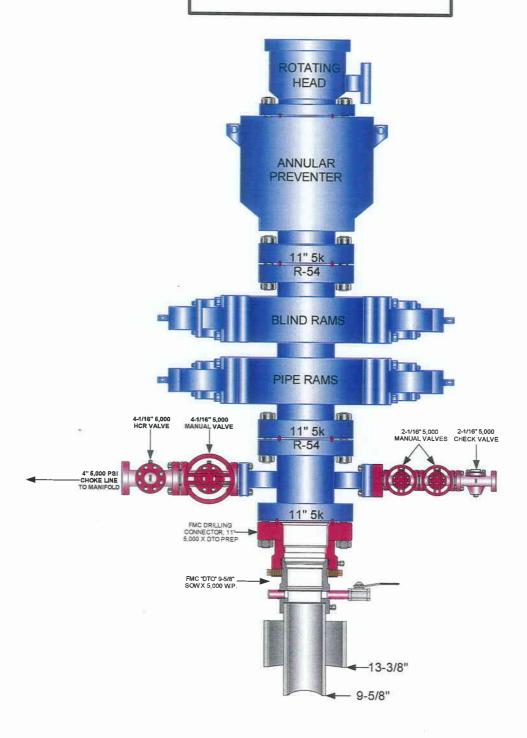
# 12. <u>HAZARDOUS CHEMICALS:</u>

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

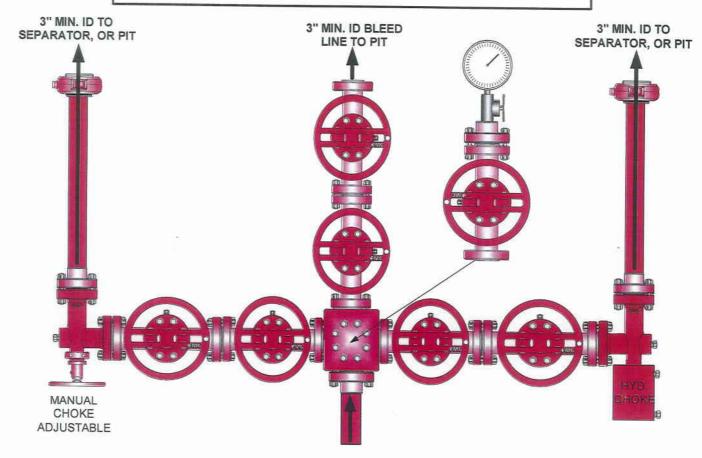
# EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION

#### PAGE 1 OF 2



# EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES

PAGE 2 0F



4" 5,000 PSI CHOKE LINE FROM HCR VALVE

# **Testing Procedure:**

- 1. BOP will be tested with a professional tester to conform to Onshore Order #2.
- 2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
- 3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.



# CHAPITA WELLS UNIT 1227-6 NE/NE, Section 6, T9S, R23E Uintah County, Utah

# SURFACE USE PLAN

## NOTIFICATION REQUIREMENTS

Location Construction:

Forty-eight (48) hours prior to construction of location and access

roads.

**Location Completion:** 

Prior to moving on the drilling rig.

Spud Notice:

At least twenty-four (24) hours prior to spudding the well.

Casing String and

Cementing:

Twenty-four (24) hours prior to running casing and cementing

all casing strings.

BOP and related

**Equipment Tests:** 

Twenty-four (24) hours prior to running casing and tests.

First Production Notice: Within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90)

days.

The well pad is approximately 325 feet long with a 246-foot width, containing 1.84 acres more or less. New surface disturbance associated with the well pad is estimated to be approximately 1.84 acres.

#### 1. EXISTING ROADS:

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 50.0 miles south of Vernal, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

#### 2. PLANNED ACCESS ROAD:

- A. No new access road will be required.
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation or debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around then avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 30 foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines

contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

# 3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See attached TOPO map "C" for the location of wells within a one-mile radius.

# 4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

#### A. On Well Pad

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400 BBL vertical tanks and attaching piping.
- 2. Gas gathering lines A 4" gathering line will be buried from dehy to the edge of the location.

#### B. Off Well Pad

The proposed pipeline will tie into an existing pipeline located on the proposed well pad for Chapita Wells Unit 651-6.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. All existing facilities will be painted with Carlsbad Canyon. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

#### 5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/ or Target Trucking Inc.'s water source in the SW/SW. Sec 35, T9S, R22E Uintah County, Utah (State Water Right # 49-1501, and/or Bonanza Power Plant water source in Sec 26, T8S, R23E Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

#### 6. Source of Construction Materials:

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

# 7. METHODS OF HANDLING WASTE DISPOSAL:

#### A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following three locations: Natural Buttes Unit 21-20B SWD, Chapita Wells Unit 550-30N SWD, Ace Disposal, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
- All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or by removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

The reserve pit shall be lined with felt and a 12 millimeter plastic liner.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site

is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

# 8. ANCILLARY FACILITIES:

None anticipated.

#### 9. WELL SITE LAYOUT:

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the east corner of the location. The flare pit will be located downwind of the prevailing wind direction on the south side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled pit topsoil will be stored separate from the location topsoil west of Corner #5. The stockpiled location topsoil will be stored between Corners #5 and #6. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture from this location and then walked down with a Caterpiller tractor.

Access to the well pad will be from the west.

#### **FENCING REQUIREMENTS:**

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.)
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distances between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently counted on concrete bases. Prior to crossing any fence located on Federal land, or any fence between Federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

# 10. PLANS FOR RECLAMATION OF THE SURFACE:

#### A. Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The stockpiled pit topsoil will then be spread over the pit area and broadcast seeded with the prescribed seed mixture for this location. The seeded area will then be walked down with a cat.

Needle & Thread Grass	6.0
Seed Mixture Hy Crested Wheat Grass	(lbs./acre PLS*)
CANTALLAND	Drilled Rate

<sup>\*</sup>Pure live seed (PLS) formula: percent of purity of seed mixture times percent germination of seed mixture equals portion of seed mixture that is PLS.

## B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

Seed Mixture	Drilled Rate (lbs./acre PLS*)
Four Wing Saltbush	3.0
Indian Rice Grass	2.0
Needle & Thread Grass	2.0
Crested Wheatgrass	1.0
Globe Mallow	1.0

<sup>\*</sup>Pure live seed (PLS) formula: percent of purity of seed mixture times percent germination of seed mixture equals portion of seed mixture that is PLS.

#### 11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

**Bureau of Land Management** 

#### 12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
  - Whether the materials appear eligible for the National Register of Historic Places;
  - The mitigation measures the operator will likely have to undertake before the site can be used.
  - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural

guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.
- C. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.
- D. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources survey was conducted and submitted August 18, 2006 by Montgomery Archaeological Consultants. A Paleontology survey was conducted and submitted September 31, 2005 by Stephen Sandau.

## **Additional Surface Stipulations:**

No construction or drilling will be allowed during the Antelope kidding season of May 15<sup>th</sup> to June 20<sup>th</sup> unless clearance has been obtained by the BLM wildlife biologist.

# LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

#### **PERMITTING AGENT**

Kaylene R. Gardner EOG Resources, Inc. P.O. Box 1815 Vernal, Ut 84078 (435) 781-9111

#### **DRILLING OPERATIONS**

Donald Presenkowski EOG Resources, Inc. P.O. Box 250 Big Piney, WY 83113 307-276-4865

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the Chapita Wells Unit 1227-6 Well, located in the NENE, of Section 6, T9S, R23E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

September 28, 2006

Date

aylene R. Gardner, Sr. Regulatory Assistant

# Request for Exception to Buried Pipeline Requirement Chapita Wells Unit 1227-6 NENE, Sec. 6, T9S, R23E U-01304

EOG Resources, Inc. requests a variance to the requirement for a buried gas sales pipeline for the referenced well for the following reasons:

- 1. In order to bury pipe on the gas sales line route, additional surface disturbance relative to surface pipeline would be approximately <u>50'X Length</u> acres.
- 2. Ripping, cutting, or blasting of rock would be required, which in turn would leave long-term spoils on the right-of-way.
- 3. The disturbed soils on the pipeline corridor would be difficult to rehabilitate and would be susceptible to noxious weed infestation, which in turn would be hazardous to livestock.
- 4. Supplemental soil to replace removed rock would need to be hauled in from other locations to provide bedding and cover material.
- 5. The buried pipe would need to be coated and/or wrapped to minimize the potential for corrosion-caused gas leaks and blowouts.
- 6. Burying of pipe next to access roads increases the potential for damage, explosion, and fire when using graders and/or dozers for snow removal or road rehabilitation.
- 7. Surface equipment, including risers with blow down valves and pipeline markers will be required, adding to negative visual impact.
- 8. Disturbance of previously rehabilitated pipeline corridor could be necessary if increasing well density requires crossing of the corridor or location construction on the corridor.
- 9. Pipeline corridors subject to poor rehabilitation characteristics are susceptible to high rates of soil erosion.
- 10. Buried shallow pipelines in low areas subject to the occasional presence of standing water are susceptible to movement and surfacing.

# EOG RESOURCES, INC.

CWU #1227-6

LOCATED IN UINTAH COUNTY, UTAH SECTION 6, T9S, R23E, S.L.B.&M.

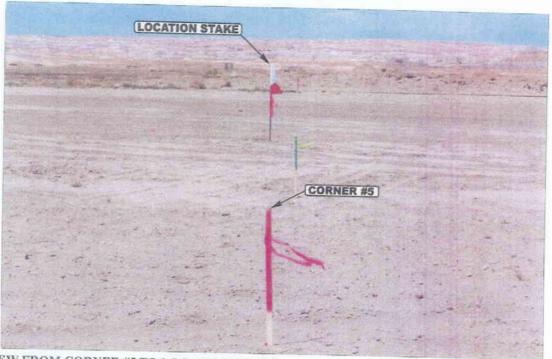


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

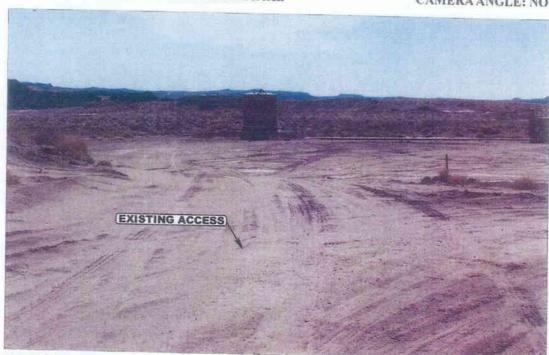


PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: EASTERLY



Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

07 07 06 MONTH DAY YEAR

РНОТО

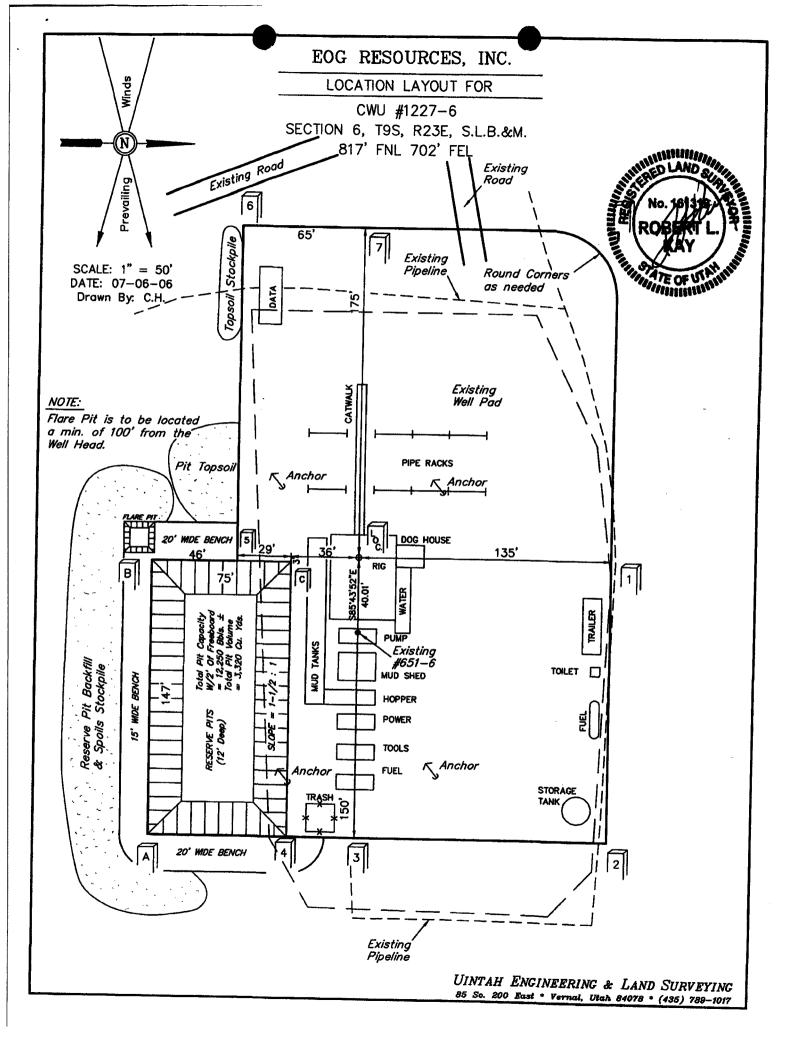
TAKEN BY: G.S. | DRAWN BY: L.K. | REVISED: 00-00-00

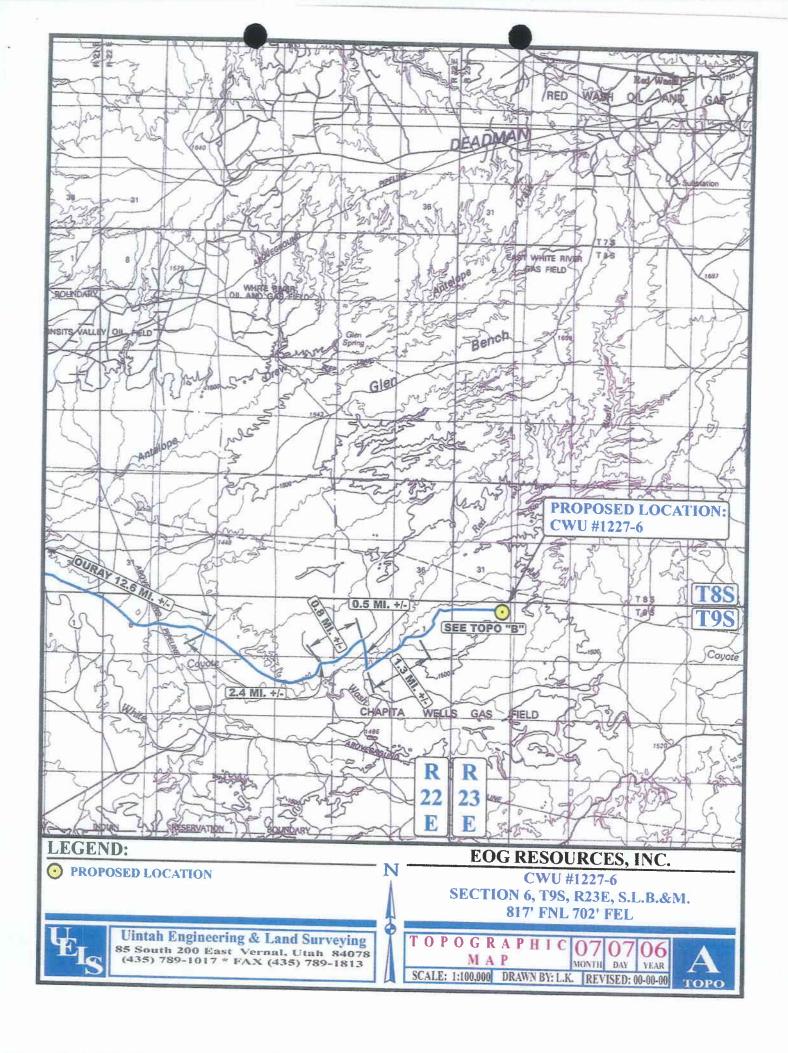
# EOG RESOURCES, INC.

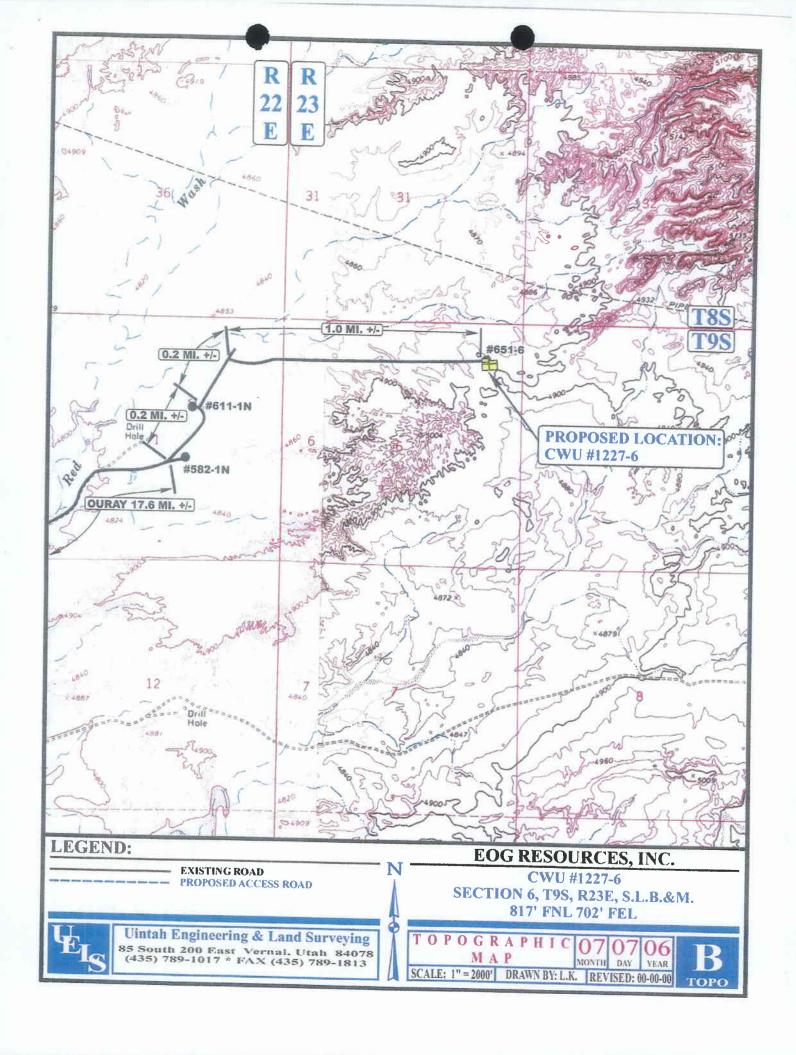
# CWU #1227-6 SECTION 6, T9S, R23E, S.L.B.&M.

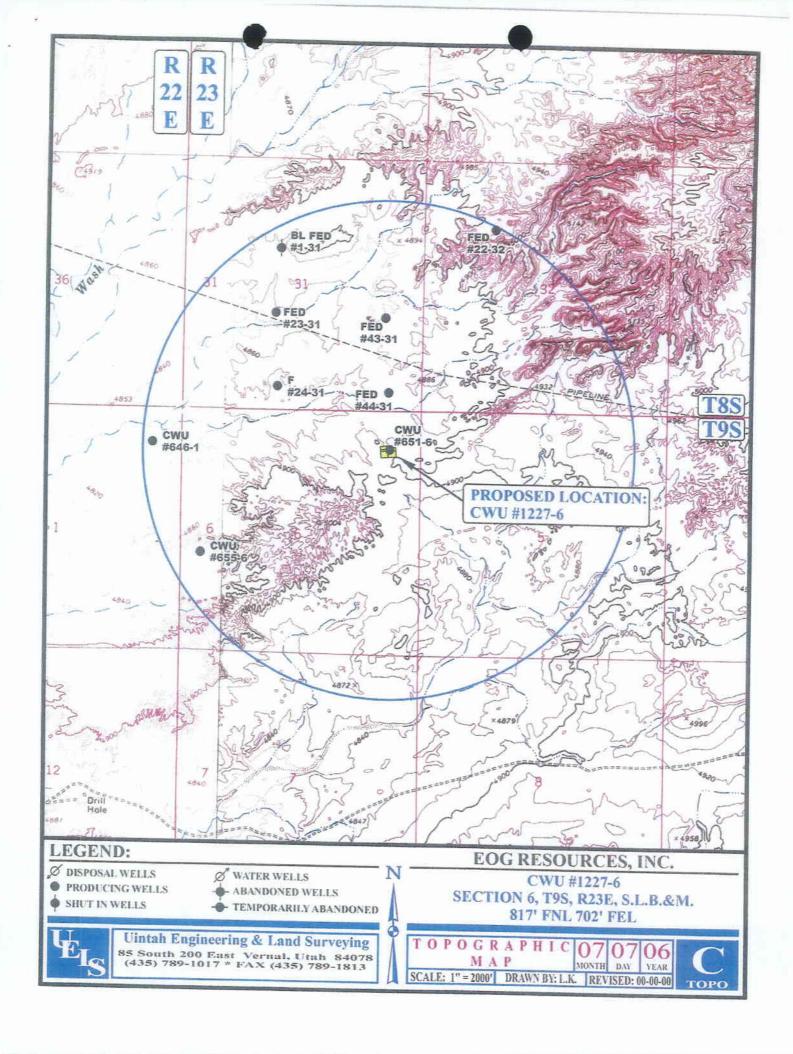
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88: EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH: PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST: TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; PROCEED IN A SOUTHEASTERLY THEN NORTHEASTERLY DIRECTION APPROXIMATELY 2.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATLEY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST: TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATLEY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST: TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATLEY 1.0 MILES TO THE EXISTING #651-6 AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.0 MILES.

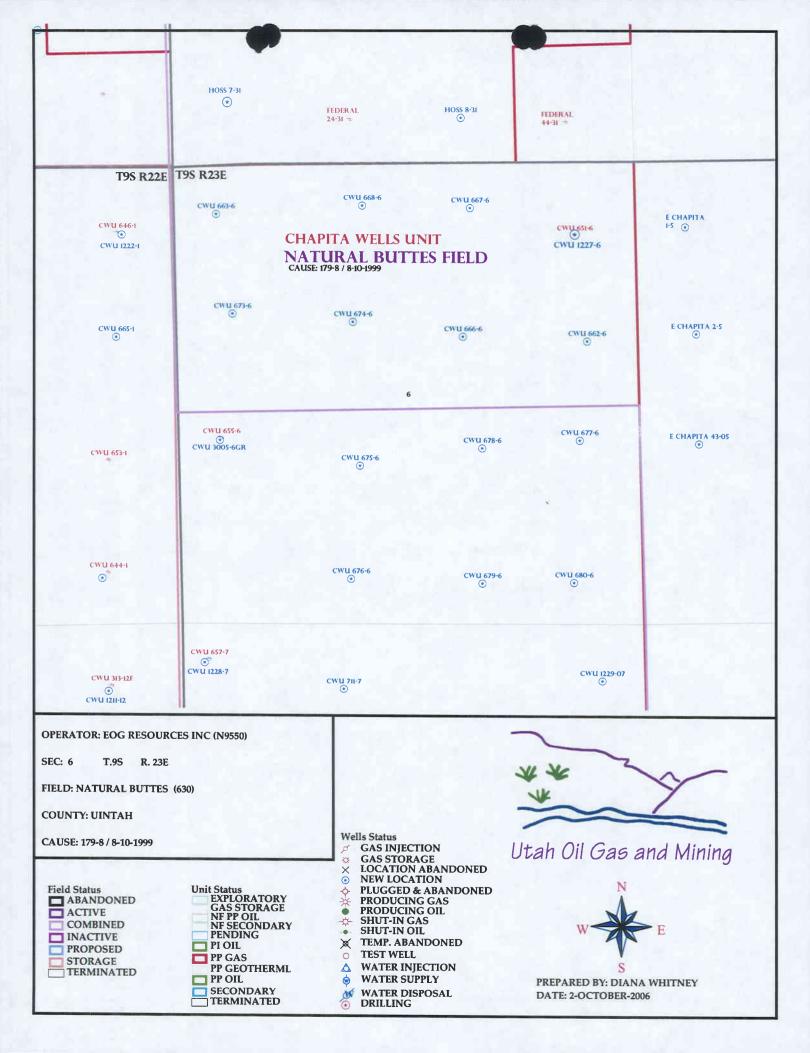








APD RECEIVED: 10/02/2006	API NO. ASSIGNED: 43-047-38672
WELL NAME: CWU 1227-6	
OPERATOR: EOG RESOURCES INC ( N9550 )	PHONE NUMBER: 435-781-9111
CONTACT: KAYLENE GARDNER	
PROPOSED LOCATION:	INSPECT LOCATN BY: / /
NENE 06 090S 230E SURFACE: 0817 FNL 0702 FEL	Tech Review Initials Date
BOTTOM: 0817 FNL 0702 FEL	Engineering
COUNTY: UINTAH  LATITUDE: 40.06976 LONGITUDE: -109.3622	Geology
UTM SURF EASTINGS: 639671 NORTHINGS: 4436575	Surface
FIELD NAME: NATURAL BUTTES (630)  LEASE TYPE: 1 - Federal  LEASE NUMBER: U-01304  SURFACE OWNER: 1 - Federal	PROPOSED FORMATION: PRRV COALBED METHANE WELL? NO
<pre> ✓ Plat  ✓ Bond: Fed[1] Ind[] Sta[] Fee[]  (No. NM 2308 )  Potash (Y/N)  ✓ Oil Shale 190-5 (B) or 190-3 or 190-13  ✓ Water Permit (No. 49-1501 )</pre>	TION AND SITING:  R649-2-3.  : CHAPITA WELLS  R649-3-2. General  Siting: 460 From Qtr/Qtr & 920' Between Wells  R649-3-3. Exception  Drilling Unit  Board Cause No: 179-8  Eff Date: 9-10-1924  Siting: Strends Strends  R649-3-11. Directional Drill
STIPULATIONS: 1- Court Outron	



# **United States Department of the Interior**

# BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

October 3, 2006

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development Chapita Wells Unit Uintah

County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Chapita Wells Unit, Uintah County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ Price River)

43-047-38671 CWU 692-20 Sec. 20 T. 9S R. 23E 1859 FNL 0718 FEL 43-047-38672 CWU 1227-6 Sec. 06 T. 9S R. 23E 0817 FNL 0702 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Chapita Wells Unit

Division of Oil Gas and Mining

Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:10-3-06



#### State of Utah

# Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

October 5, 2006

EOG Resources, Inc. 1060 E Highway 40 Vernal, UT 84078

Re: Chapita Wells Unit 1227-6 Well, 817' FNL, 702' FEL, NE NE, Sec. 6, T. 9 South, R. 23 East, Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38672.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc:

**Uintah County Assessor** 

Bureau of Land Management, Vernal District Office

Operator:	EOG Resources.	Inc.	
Well Name & Number	Chapita Wells U	nit 1227-6	
API Number:	43-047-38672		
Lease:	U-01304		
Location: NE NE	Sec. 6	<b>T.</b> <u>9 South</u>	<b>R.</b> 23 East

# **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

## 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

# RECEIVED

Form 3160-3 (February 2005)  OCT - 3 2006 ONITED STATES DEPARTMENT OF THE I BLAVERNIARE AUPALAND MAN. APPLICATION FOR PERMIT TO		5. Lease Serial N U-01304 6. If Indian, Allot	tee or Tribe Name	
la. Type of work:	R		greement, Name and No. WELLS UNIT	
lb. Type of Well: ☐Oil Well ☐Gas Well ☐Other	✓ Single Zone Multip	1	WELLS UNIT 1227-6	
2. Name of Operator EOG RESOURCES, INC		43.7	17.38672	
3a. Address 1060 EAST HIGHWAY 40 VERNAL, UT 84078	3b. Phone No. (include area code) 435-781-9111	10. Field and Pool, NATURAL	BUTTES	
4. Location of Well (Report location clearly and in accordance with an At surface 817 FNL 702 FEL (Lot 1) NE/NE 40 At proposed prod. zone SAME	y State requirements.*) 0.069750 LAT 109.362839 LON	SECTION	or Blk.and Survey or Area 6, T9S, R23E S.L.B.&M	
14. Distance in miles and direction from nearest town or post office* 50 MILES SOUTH OF VERNAL UTAH		12. County or Pari UINTAH	UT	
15. Distance from proposed* 702 location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of acres in lease 2451	17. Spacing Unit dedicated to the VACATED		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  1750	proposed location* 19. Proposed Depth 20. BLM drilling, completed.		ABIA Bond No. on file	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4891 GL	22. Approximate date work will sta	23. Estimated dur 45 DAYS	ration	
	24. Attachments			
The following, completed in accordance with the requirements of Onsho  1. Well plat certified by a registered surveyor.  2. A Drilling Plan.  3. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).	4. Bond to cover ltem 20 above).  Lands the 5. Operator certifi	the operations unless covered by		
25. Signature Title	KAYLENE R. GA	RDNER	09/28/2006	
Approved by (Signature)	Name (Printed Typed)  TERRY KENCZKA		Date /-16 2007	
Title	Office VERI ds legal or equitable title to those rig	NAL FIELD OFFIC this in the subject lease which wo	ould entitle the applicant to	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a States any false, fictitious or fraudulent statements or representations a	crime for any person knowingly and s to any matter within its jurisdiction.	willfully to make to any departm	nent or agency of the United	

\*(Instructions on page 2)
NOTICE OF APPROVAL

# CONDITIONS OF APPROVAL ATTACHED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
JAN 3 0 2007

DIV. OF OIL, GAS & MINING

07BM 2796 A

1105 7/17/06



# UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE**



170 South 500 East VERNAL, UT 84078 (435) 781-4400

# CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:

**EOG Resources** 

Location:

Lot 1, Sec 6, T9S, R23E

Well No: API No:

CWU 1227-6 43-047-38672 Lease No: Agreement: UTU-0284-A

**Chapita Wells Unit** 

Petroleum Engineer: Petroleum Engineer: Petroleum Engineer:

Michael Lee James Ashley Supervisory Petroleum Technician: Jamie Sparger Paul Buhler

Office: 435-781-4432 Office: 435-781-4470 Office: 435-781-4502 Office: 435-781-4475 Office: 435-781-3401

Office: 435-781-3400

Office: 435-781-4476

Office: 435-781-4490

Cell: 435-828-7874 Cell: 435-828-3913 Cell: 435-828-4029

Cell: 435-828-4470

Cell: 435-828-7875

**Environmental Scientist:** Natural Resource Specialist:

Natural Resource Specialist: Natural Resource Specialist: Natural Resource Specialist: Natural Resource Specialist: Natural Resource Specialist:

Mike Cutler Melissa Hawk Chuck MacDonald Holly Villa Darren Williams

Jannice Cutler

Karl Wright

Matt Baker

Office: 435-781-4441 Office: 435-781-4404 Office: 435-781-4447 Office: 435-781-4484

**Environmental Scientist:** After Hours Contact Number: 435-781-4513

Fax: 435-781-4410

# A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

# NOTIFICATION REQUIREMENTS

**Location Construction** (Notify Paul Buhler)

Forty-Eight (48) hours prior to construction of location and access roads.

**Location Completion** (Notify Paul Buhler)

Prior to moving on the drilling rig.

Spud Notice

(Notify Petroleum Engineer)

Twenty-Four (24) hours prior to spudding the well.

Casing String & Cementing (Notify Jamie Sparger)

Twenty-Four (24) hours prior to running casing and cementing all casing strings

**BOP & Related Equipment Tests** (Notify Jamie Sparger)

Twenty-Four (24) hours prior to initiating pressure tests

First Production Notice (Notify Petroleum Engineer) Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days

Page 2 of 6 Well: CWU 1227-6 1/11/2007

# SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

#### Conditions for Approval are in the APD

- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this would include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.
- During interim management of the surface, use the following seed mix:
   9 lbs of Hycrest Crested Wheatgrass & 3 lbs of Kochia prostrate.
- Additional disturbance would require paleotological monitoring by a BLM approved Paleotologist. If paleontological materials are uncovered during construction, the operator is to immediately stop work, and contact the Authorized Officer (AO). A report will be prepared by the Paleontologist and submitted to the BLM at the completion of surface disturbing activities.

Page 3 of 6 Well: CWU 1227-6 1/11/2007

#### DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- Electronic/mechanical mud monitoring equipment shall be required, from surface casing shoe to TD, which shall include as a minimum: pit volume totalizer (PVT); stroke counter; and flow sensor.
- A formation integrity test shall be performed at the surface casing shoe.
- A Cement Bond Log (CBL) shall be run in the production casing from the TD to the top
  of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office for
  review.
- Variance Granted:
  - 75 foot long blooie line approved.

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded
  in the daily drilling report. Components shall be operated and tested as required by
  Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE
  pressure tests shall be performed by a test pump with a chart recorder and NOT by the
  rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Page 4 of 6 Well: CWU 1227-6 1/11/2007

 Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- All shows of fresh water and minerals shall be reported and protected. A sample shall
  be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office.
  All oil and gas shows shall be adequately tested for commercial possibilities, reported,
  and protected.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or
  workover equipment shall be removed from a well to be placed in a suspended status
  without prior approval of the BLM, Vernal Field Office. If operations are to be suspended
  for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained
  and notification given before resumption of operations.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field
  Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers
  until the well is completed.
- Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the
  written report requirement. Any additional construction, reconstruction, or alterations of
  facilities, including roads, gathering lines, batteries, etc., which will result in the
  disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore
  Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field
  Office.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

Page 5 of 6 Well: CWU 1227-6 1/11/2007

- A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office
  Petroleum Engineers will be provided with a date and time for the initial meter calibration
  and all future meter proving schedules. A copy of the meter calibration reports shall be
  submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the
  API standards for liquid hydrocarbons and the AGA standards for natural gas
  measurement.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, shall the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - o Well name and number.
  - o Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located;
     otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - o Unit agreement and / or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL)
   4A and needs prior approval from Field Office Petroleum Engineers.

Page 6 of 6 Well: CWU 1227-6 1/11/2007

All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days.
 "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field
  Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging
  of the well, in order that a representative may witness plugging operations. If a well is
  suspended or abandoned, all pits must be fenced immediately until they are backfilled.
  The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within
  30 days after the actual plugging of the well bore, showing location of plugs, amount of
  cement in each, and amount of casing left in hole, and the current status of the surface
  restoration.

## STATE OF UTAH IMENT OF NATURAL RESOURCE

!		5. LEASE DESIGNATION AND SERIAL NUMBER: U-01304							
SUNDRY	6	6. IF INDIAN, ALLOTTEE OF	R TRIBE NAME:						
Do not use this form for proposals to drill no	Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.								
1. TYPE OF WELL OIL WELL	GAS WELL 🗸 OTHER _			8. WELL NAME and NUMBE Chapita Wells Un					
2. NAME OF OPERATOR:	2. NAME OF OPERATOR:								
"EOG Resources, Inc.				43-047-38672 10. FIELD AND POOL, OR V					
	Vernal STATE UT ZIP	84078 (43	5) 781-9111	Natural Buttes/M	esaverde				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 817' FNL & 702' FEL 40.069750 LAT 109.362839 LON COUNTY: Uintah									
QTR/QTR, SECTION, TOWNSHIP, RAN		3E S		STATE:					
	ROPRIATE BOXES TO INDICATI			T, OR OTHER DA	ATA				
TYPE OF SUBMISSION	100075	TYPE (	OF ACTION	REPERSORATE CL	JRRENT FORMATION				
NOTICE OF INTENT (Submit in Duplicate)	ACIDIZE  ALTER CASING	FRACTURE TREAT	г	SIDETRACK TO RE					
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCT	ΓΙΟΝ	TEMPORARILY ABA	ANDON				
	CHANGE TO PREVIOUS PLANS	OPERATOR CHAN	IGE	TUBING REPAIR					
	CHANGE TUBING	PLUG AND ABAND	OON	VENT OR FLARE					
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL					
(Submit Original Form Only)  Date of work completion:	CHANGE WELL STATUS	PRODUCTION (ST	ART/RESUME)	WATER SHUT-OFF					
Date of Work Completion.	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF		OTHER: APD E	xtension				
	CONVERT WELL TYPE		IFFERENT FORMATION						
	OMPLETED OPERATIONS. Clearly show all pe			, etc.					
EOG Resources, Inc. requ	uests the APD for the referenced v	well be extended	for one year.						
Approved by the Utah Division of Oil, Gas and Mining									
Date: 89-27-07  By: 2000									
9-28-07 Rm									
NAME (PLEASE PRINT) Kaylene F	R. Gardner		_ead Regulatory A	ssistant					
SIGNATURE A LUCA	Sanh	DATE _	9/26/2007						
(This space for State use only)									

RECEIVED SEP 2 7 2007

## Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

Well Name: Location: Company Peri		(NENE), SECTION 6, T9S, I EOG RESOURCES, INC.	₹23E S.L.B.&M
above, hereby	verifies that the	n legal rights to drill on the information as submitte mains valid and does no	
Following is a coverified.	checklist of some	e items related to the ap	plication, which should be
•	ivate land, has tl n updated? Yes	he ownership changed, □No□	if so, has the surface
•		the vicinity of the propos nts for this location? Ye	sed well which would affect s ☐ No ☑
	_	er agreements put in pla proposed well? Yes⊟No	•
	•	to the access route inclu proposed location? YesI	uding ownership, or right- □ No ☑
Has the approv	red source of wa	ter for drilling changed?	'Yes□No☑
	ire a change in p	changes to the surface lolans from what was dis	
Is bonding still	in place, which o	covers this proposed we	ill? Yes⊠No□
taliant	Janley		9/26/2007
Signature (			Date
Title: Lead Regu	ılatory Assistant		
Representing:	EOG Resources, In	ac.	
-			RECEIVED
			SEP 2 7 2007

Form 3160-5 (August 2007)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

## RECEIVED

FORM APPROVED

SUNDRY NOTICES AND REPORTS ON WELLS

IAN 0.7 2009

	OMB NO. 1004-0135 Expires: July 31, 2010	
5. Lease Seri UTU013		

Do not use t abandoned w	his form for proposals to ell. Use form 3160-3 (AP	ullil of to le-cittel an	V 0 / Z008	6. If Indian, Allottee or	Tribe Name
SUBMIT IN TI	RIPLICATE - Other instruc	tions on reverse side.	DLIVI	7. If Unit or CA/Agreer UTU63013X	nent, Name and/or No.
1. Type of Well ☐ Oil Well     Gas Well ☐ C	Other			8. Well Name and No. CWU 1227-6	
Name of Operator     EOG RESOURCES INC	Contact:	KAYLENE R GARDNER rdner@eogresources.com		9. API Well No. 43-047-38672-0	0-X1
3a. Address 1060 EAST HIGHWAY 40 VERNAL, UT 84078		3b. Phone No. (include area code Ph: 435-781-9111	e)	10. Field and Pool, or E NATURAL BUT	
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description)			11. County or Parish, a	nd State
Sec 6 T9S R23E Lot 1 817F		UINTAH COUNT	TY, UT		
12. CHECK AP	PROPRIATE BOX(ES) TO	) INDICATE NATURE OF	NOTICE, RI	EPORT, OR OTHER	R DATA
TYPE OF SUBMISSION		ТҮРЕ	OF ACTION		
Notice of Intent	☐ Acidize	□ Deepen	□ Producti	on (Start/Resume)	☐ Water Shut-Off
_	☐ Alter Casing	☐ Fracture Treat	□ Reclama	tion	□ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	□ Recomp		Other Change to Original A
☐ Final Abandonment Notice	Change Plans	Plug and Abandon	_	arily Abandon	PD PD
13. Describe Proposed or Completed Op	Convert to Injection	□ Plug Back	□ Water D		
Attach the Bond under which the wo following completion of the involve testing has been completed. Final A determined that the site is ready for EOG Resources, Inc. respe 1/16/2007 be extended for complete the site is ready.	d operations. If the operation resultandonment Notices shall be filed final inspection.)  ctfully requests the APD for one year.	ts in a multiple completion or recon only after all requirements, including	npletion in a new ing reclamation, has	nterval, a Form 3160-4 sh	all be filed once e operator has
					RECEIVED
	Electronic Submission # For EOG	57885 verified by the BLM We RESOURCES INC, sent to the cessing by GAIL JENKINS on Title LEAD	e Vernal 01/07/2008 (08	GXJ1390SE)	JAN 18 2008 /. OF OIL, GAS & MININ
Signature (Electronic	: Submission)	Date 01/07.	/2008		
	THIS SPACE FO	R FEDERAL OR STATI	E OFFICE U	SE	
Approved By		Pet	roleum	Engineer	JAMbate 8 2008
Conditions of approval if any, ar attach certify that the applicant holds legal or ec which would entitle the applicant to cond	uitable title to those rights in the su				
Fitle 18 U.S.C. Section 1001 and Title 4			willfully to make	to any department or agen	cy of the United

## **CONDITIONS OF APPROVAL**

## EOG Resources, Inc.

## **Notice of Intent APD Extension**

Lease:

UTU-01304

Well:

CWU 1227-6

Location:

Lot 1 Sec 6-T9S-R23E

An extension for the referenced APD is granted with the following conditions:

- 1. The extension and APD shall expire on 1/16/09.
- 2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Ryan Angus of this office at (435) 781-4430

## STATE OF UTAH

DIVISION OF OIL, GAS AN	5. LEASE DESIGNATION AND SERIAL NUMBER: U-01304		
SUNDRY NOTICES AND REPO	ORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells be drill horizontal laterals. Use APPLICATION FOR PERMIT TO	pelow current bottom-hole depth, reenter plugged wells, or to DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: Chapita Wells Unit 8. WELL NAME and NUMBER:	
OIL WELL GAS WELL 🛂 OT	HER	Chapita Wells Unit 1227-06	
2. NAME OF OPERATOR: EOG Resources, Inc.		9. API NUMBER: 43-047-38672	
3. ADDRESS OF OPERATOR:	PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:	
1060 East Highway 40 CITY Vernal STATE UT	Γ <sub>ZIP</sub> 84078 (435) 781-9111	Natural Buttes/Mesaverde	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 817' FNL & 702' FEL 40.069750 I	LAT 109.362839 LON	соилту: Uintah	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 6 95	S 23E S	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO IND	DICATE NATURE OF NOTICE REPO	RT OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION	NI, ON OTHER BATA	
✓ NOTICE OF INTENT ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION	
NOTICE OF INTENT (Submit in Duplicate)  ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL	
Approximate date work will start: CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON	
CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR	
CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE	
SUBSEQUENT REPORT (Submit Original Form Only)	PLUG BACK	WATER DISPOSAL	
Date of work completion:	PRODUCTION (START/RESUME)	WATER SHUT-OFF	
COMMINGLE PRODUCING FORMA	TIONS RECLAMATION OF WELL SITE	✓ OTHER: APD Extension	
CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly sh EOG Resources, Inc. requests the APD for the referen		∍s, etc.	
Approve Utah Div Oil, Gas a	vision of		
Date: <u>79</u> By:	19-080 1900		
NAME (PLEASE PRINT) Kaylene R. Gardner	TITLE Regulatory Admir	nistrator	
SIGNATURE KNULLY COMME	DATE 9/4/2008		
(This space for State use only)		RECEIVED	

COPY SENT TO OPERATOR

(See Instructions on Reverse Side)

RECEIVED SEP 0 8 2008

DIV. OF OIL, GAS & MINING



### **Application for Permit to Drill** Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

	43-047-38672 Chapita Wells Unit 817 FNL - 702 FEL rmit Issued to: Permit Issued:	(NENE), EOG RI	ESOURCES, INC.	•	
above, hereby	ed as owner with verifies that the lication to drill, re	informa	ition as submit	ted in the previo	usly
Following is a verified.	checklist of some	e items	related to the a	application, whic	h should be
-	rivate land, has t en updated? Yes			d, if so, has the s	surface
•	s been drilled in siting requireme				would affect
	n any unit or othe peration of this p	_	•		affect the
	en any changes could affect the p			•	ip, or right-
Has the appro	ved source of wa	ater for o	drilling change	d? Yes□No☑	
	en any physical o uire a change in p es⊟No⊠				
Is bonding still	in place, which	covers t	his proposed v	vell? Yes⊠No⊑	3
Jalun	South			9/4/2008	
Signature T				Date	
Title: Regulato	ry Administrator	<u></u>			
Representing:	EOG Resources, I	nc.			
				_	RE

Form 3160-5 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-013:
Expires: July 31, 201

5. Lease Serial No.

SUNDRY	UTU01304							
Do not use thi abandoned we	6. If Indian, Allottee or Tribe Name							
SUBMIT IN TRI	If Unit or CA/Agreement, Name and/or No. CHAPITA WELLS UNI							
Type of Well     Oil Well	8. Well Name and No. CHAPITA WELLS UNIT 1227-06 ₩							
2. Name of Operator EOG RESOURCES, INC.								
3a. Address 1060 EAST HIGHWAY 40 VERNAL, UT 84078		3b. Phone No Ph: 435-78	(include area code) 1-9111		10. Field and Pool, or NATURAL BUT			
4. Location of Well (Footage, Sec., T		11. County or Parish,	and State					
Sec 6 T9S R23E NENE 817F 40.06975 N Lat, 109.36284 W					UINTAH COUN	TY, UT		
12. CHECK APPE	ROPRIATE BOX(ES) TO I	INDICATE	NATURE OF N	NOTICE, RE	EPORT, OR OTHE	R DATA		
TYPE OF SUBMISSION			ТҮРЕ О	ACTION				
☐ Notice of Intent	Acidize Deepen Produc					■ Water Shut-Off		
<del></del>	☐ Alter Casing	☐ Frac	ture Treat	□ Reclama	ntion	■ Well Integrity		
☐ Subsequent Report	□ Casing Repair	□ New	Construction	□ Recomp	lete			
☐ Final Abandonment Notice	☐ Change Plans		and Abandon	_	arily Abandon	PD		
	☐ Convert to Injection	☐ Plug	Back	☐ Water D	visposal			
Attach the Bond under which the wor following completion of the involved testing has been completed. Final Abdetermined that the site is ready for fixed the street of the	operations. If the operation resultant condonment Notices shall be filed final inspection.)	lts in a multipl only after all i	e completion or reco requirements, includ	mpletion in a n ing reclamation	ew interval, a Form 316	0-4 shall be filed once		
SHL - 817 FNL - 702 FEL, 489 40.069750 Lat 109.362839 Lo					Federal Approx Action is Neces	'al of this		
BHL - 10 FSL - 1330 FEL (SW 40.057789 Lat 109.365022 Lo Attached please find a revised	VSE) on (NAD 83) 6395097 442524	C 4	0.057835 109	- 31.4231	COPY SEI	NT TO OPERATOR		
Attached please find a revised	I Drilling Plan, Directional P	lan, and Pla	it packet.		Date: 2	·29·2008		
					Initials:	145		
14. I hereby certify that the foregoing is	Electronic Submission #63	3193 verified SOURCES,	by the BLM Well NC., sent to the	Information Vernal	System			
Name (Printed/Typed) KAYLENE	R GARDNER		Title REGUL	ATORY ADM	MINISTRATOR			
Signature Signature	Submission)		Date 09/18/20	008		***		
	THIS SPACE FOR	R FEDERA	L OR STATE	OFFICE US	SE			
Approved By			Title BRADI	EY G. I		Date 04-29-08		
Conditions of approval, if any, are attached certify that the applicant holds legal or edwhich would entitle the applicant to conductive the conductive the applicant to conduct the applicant the applicant to conduct the applicant the applicant the applicant to conduct the applicant to conduct the applicant the	itable title to those rights in the si	ot warrant or ubject lease	ENVIRONN Office	MENTAL MAI	NAGER (			
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent				willfully to ma	ke to any department or	agency of the United		

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED CEIVED

SEP 2 2 2008



## CWU 1227-06H Horizontal North Horn Test (no pilot hole)

Surface: 817' FNL & 702' FEL; Sec. 6 T9S R23W BHL: 10' FSL & 1330' FEL; Sec. 6 T9S R23W Uintah Co., Utah

## **Drilling Plan**

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS & ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:

Formation	Depth (ft)	Hydrocarbon/Water Bearing Zones
Green River	2,033' TVD	
Wasatch	5,011' TVD	
Chapita Wells	5,662' TVD	
Buck Canyon	6,313' TVD	
North Horn	6,873' TVD	Gas
MD/TVD (Horizontal)	11,231' / 7,175'	Gas
KMV Price River	7,449' TVD	Gas

All shows of fresh water and minerals will be adequately protected and reported.

### 2. Pressure Control Equipment:

All well control equipment shall be in accordance with Onshore Order #2 for 5M systems.

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram showing size, pressure ratings, testing procedures, and testing frequency.

5000# BOP With 4-1/2" Pipe Rams 5000# BOP With Blind Rams 5000# Annular Auxiliary equipment to be used:

Upper and lower kelly cocks with handle available, dart valve.

The manifold includes appropriate valves and adjustable chokes. The kill line will have one check valve. Ram type preventers will be pressure tested to full working pressure (utilizing a test plug) at:

- Initial installation;
- Whenever any seal subject to test pressure is broken;
- following related repairs;
- at 30 day intervals

The annular preventer will be pressure tested to 50 percent of the rated working pressure. All pressure tests shall be maintained at least ten minutes or until provisions of test are met, whichever is longer.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, but not more than once each day.

A BOPE pit level drill will be conducted weekly for each drilling crew.

All tests and drills will be recorded in the drilling log.

The accumulator will have sufficient capacity to open the HCR valve, close all rams plus the annular preventer, and retain 200 psi above pre-charge pressure without the use of closing unit pumps. The system will have two independent power sources to close the preventers in accordance with 5M system requirements outlined in Onshore Order #2.

Remote controls shall be readily accessible to the driller. Master controls shall be at the accumulator.

#### 3. CASING & CEMENTING PROGRAM:

A. The proposed casing program will be as follows:

Depth, MD	Hole Size	Size	Grade	Weight	Thread	Condition
0 - 2,300' +/-	12-1/4"	9-5/8"	J-55	36#	STC	New
0 - 7,774' +/-	8-3/4"	7"	P-110	23#	LTC	New
0 '- 11,231' +/-	6-1/8"	4-1/2"	P-110	11.6#	LTC	New

After cementing and prior to drilling out from under the casing shoe, all casing strings below the conductor shall be pressure tested to 0.22 psi/ft. of casing string length or 1000 psi, whichever is greater, but not to exceed 70% minimum internal yield.

The bottom three joints of the surface casing will have one centralizer per joint and one centralizer every fourth joint thereafter.

### B. The proposed cementing program will be as follows:

Surface String: Cement will be circulated to surface. Estimated volume (gauge

hole + 45%):

**Lead:** 160 sx Lite @ 12 ppg, 2.15 ft<sup>3</sup>/sx. **Tail:** 100 sx Premium @ 15.8 ppg, 1.17 ft<sup>3</sup>/sx.

Intermediate String: Estimated volume (gauge hole + 25%):

Objective: Lead to 100' above the Wasatch; Tail to the KOP.

**Lead:** 100 sx Hi Lift @ 11.0 ppg, 3.98 ft<sup>3</sup>/sx. **Tail:** 230 sx 50:50 Poz G @ 14.1 ppg, 1.29 ft<sup>3</sup>/sx.

**Production String:** Estimated volume (gauge hole + 10%):

Objective: Lead (all) to the KOP.

**Tail:** 500 sx Premium @ 14.1 ppg, 1.28 ft<sup>3</sup>/sx.

Actual volumes will be calculated and adjusted with caliper log prior to cementing. A planned 10% excess will be pumped.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

#### 4. DRILLING FLUIDS PROGRAM:

Interval	Туре	Weight (ppg)	Viscosity	рН	Water Loss	Remarks
0-2,000'	Spud	8.4 -9.0	26-45+	8.0-9.0	NC	Gel & lime as required.
2,300'-7,774'	Polymer	8.4-10.5	26-30	9.0- 10.0	<=6	Wt req'd for stability
7,774'-TD	Polymer	9.0-10.0	34-50	9.0- 10.0	<=10	Minimum weight

Sufficient quantities of mud material will be maintained on site or be readily accessible for the purpose of assuring well control. SPR will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

### 5. EVALUATION PROGRAM:

Logs: MWD GR KOP to lateral TD

Schlumberger FMI: Lateral TD to Intermediate shoe.

Cores: None planned.

**DST's:** None anticipated.

The proposed Evaluation Program may change at the discretion of the well site geologist based upon availability or hole conditions.

No stimulation or frac treatment has been formulated at this time. The drill site, as approved, will be of sufficient size to accommodate all completion activities.

#### 6. ABNORMAL CONDITIONS:

No abnormal pressures or temperatures are anticipated. No hydrogen sulfide has been encountered in or is known to exist from previous wells drilled to similar depths in the general area.  $CO_2$  may be encountered in sufficient volume to contaminate mud.

Anticipated bottom-hole pressures is 3,588psi (7,175'\*0.5psi/ft). MASP is expected to be no greater than 2,870psi (3,588psi –7,175' \*0.1psi/ft gas gradient) not considering surface shoe breakdown pressure.

#### 7. OTHER INFORMATION:

The well will be drilled as a Horizontal North Horn test with no pilot hole. An 8-3/4" hole will be drilled with WBM, and built to horizontal with KOP at +/-6,262' MD/TVD and landed horizontally in the North Horn target at 7,774' MD/7,217' TVD. 7" casing will be set and cemented. A 6 1/8" lateral will be drilled horizontally to programmed TD as indicated on the plats, and directional plan. The 6 1/8" lateral will be logged according to evaluation program indicated above. If deemed productive, 4-1/2" casing will be run and cemented.

The anticipated starting date and duration of the operation will be as follows:

Starting Date:

**Upon Approval** 

Duration:

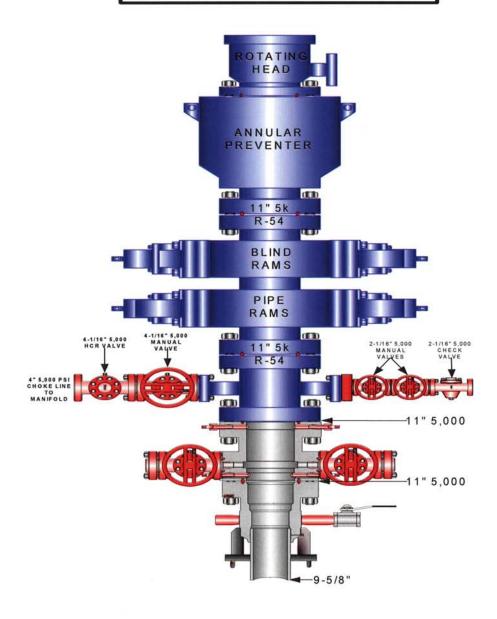
30-40 days

A completion rig will be used for completion operations. All conditions of this approved plan will be applicable during all operations conducted with the completion rig.

Prospective zones will be perforated and tested for productive potential. If the zones exhibit commercial potential they will be fracture stimulated with a gelled water base fluid and 20/40 sand as a proppant. Fracture stimulation will be designed for the fracture height and length to sufficiently drain the reservoir.

### **BOP Equipment Diagram**





## **EOG RESOURCES**

Location: UTAH
Field: UINTA COUNTY (EOG NAD 27)
Facility: SEC.6-T9S-R23E

Slot: SLOT#1 CWU 1227-06H (817'FNL & 702'FEL)

Well: CWU 1227-06H

Wellbore: CWU 1227-06H PWB

Well Profile Data									
Design Comment	MD (ft)	lnc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)	
Tie On	20.00	0.000	188.086	20.00	0.00	0.00	0.00	0.00	
End of Tangent	6262.38	0.000	188.086	6262.38	0.00	0.00	0.00	0.00	
End of Build (J)	7774.04	90.700	188.086	7217.23	-956.99	-135.97	6.00	966.60	
End of Tangent (J)	11231.00	90.700	188.086	7175.00	-4379.32	-622.20	0.00	4423.30	

	Lo	cation Info	ormation			
Facility Na	me		Grid East (USfl)	Grid North (USft)	Latitude	Longitude
SEC,6-T9S-	2598236,780	639614,334	40°04'11,230"N	109*21'43,776*W		
Slot	Local N (ft)	Local E (ft)	Grid East (USfl)	Grid North (USfi)	Latitude	Longitude
SLOT#1 CWU 1227-06H (817'FNL & 702'FEL)	0.00	0.00	2598236,780	639614,334	40°04'11.230"N	109*21'43.776"W
Rig on SLOT#1 CWU 1227-06H (617 FNL & 702 FEL) (RT) to	Mud line (Facility: SEC.6-	T9S-R23E)			4910ft	
Mean Sea Level to Mud line (Facility: SEC.8-T9S-R23E)	Oft					
Rig on SLOT#1 CWU 1227-06H (617'FNL & 702'FEL) (RT) to	Mean Sea Level				4910fl	

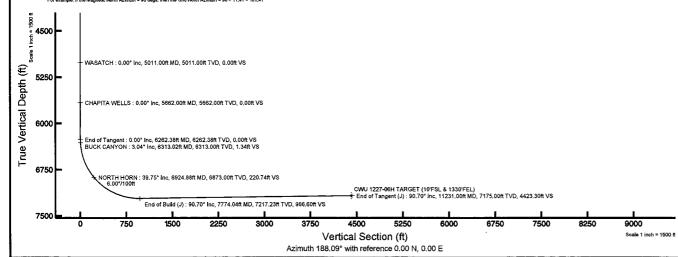
Targets									
Name	MD (ft)	TVD (ft)	Local N (ff)	Local E (ft)	Grid East (USft)	Grid North (USft)	Latitude	Longitude	
CWU 1227-06H TARGET (10'FSL & 1330'FEL)	11231,00	7175,00	-4379,32	-622,20	2597719,47	635221,81	40°03'27,951"N	109°21'51,778'W	

Plot reference wellpath is CWU 1227-06H (REV-C.0)_pwp	
True vertical depths are referenced to Rig on SLOT#1 CWU 1227-06H (817 FNL & 702 FEL) (RT)	Grid System: NAD27 / Lambert Utah State Planes, Central Zone (4302), US feet
Measured depths are referenced to Rig on SLOT#1 CWU 1227-06H (817FNL & 702FEL) (RT)	North Reference: True north
Rig on SLOT#1 CWU 1227-06H (817'FNL & 702'FEL) (RT) to Mean Sea Level: 4910 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.6-T9S-R23E): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdanm on 9/8/2008



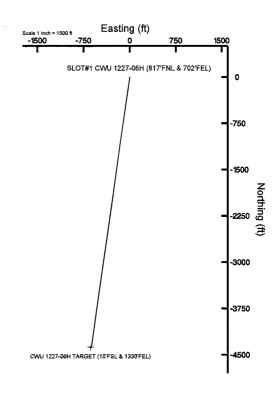
BGGM (1945.0 to 2010.0) Dip: 66.05\* Field: 52716.9 nT Magnetic North is 11.41 degrees East of True North (at 9/8/2008

To correct azimuth from Magnetic to True add 11.41 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 11.41 = 101.41











## **Planned Wellpath Report**

CWU 1227-06H (REV-C.0) pwp Page 1 of 6



### REFERENCE WELLPATH IDENTIFICATION

Operator EOG RESOURCES

Area

Field

UTAH

**UINTA COUNTY (EOG NAD 27)** 

Slot Well

Wellbore

SLOT#1 CWU 1227-06H (817'FNL & 702'FEL)

CWU 1227-06H

CWU 1227-06H PWB

User

Facility SEC.6-T9S-R23E

REPORT SETUP INFORMATION

NAD27 / Lambert Utah State Planes, Central Zone (4302), US

North Reference

Projection System

True

Scale

0.999907 1.37° East Convergence at slot

Software System

WellArchitect® 2.0

**Thomsuze** 

Report Generated

9/8/2008 at 3:42:26 PM

Database/Source file Denver/\_CWU\_1227-06H\_PWB.xml

WELLPATH LOCATION									
	Local coo	rdinates	Grid co	ordinates	Geographic coordinates				
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude			
Slot Location	0.00	0.00	2598236.78	639614.33	40°04'11.230"N	109°21'43.776"W			
Facility Reference Pt			2598236.78	639614.33	40°04'11.230"N	109°21'43.776"W			
Field Reference Pt			2592966.34	616733.27	40°00'26.390"N	109°22'58.520"W			

WELLFAIR DATU	(VI		F
Calculation method	Minimum curvature	Rig on SLOT#1 CWU 1227-06 (817'FNL & 702'FEL) (RT) to Facility Vertical Datum	4910.00ft
Horizontal Reference Pt	Slot	Rig on SLOT#1 CWU 1227-06 (817'FNL & 702'FEL) (RT) to Mean Sea Level	4910.00ft
Vertical Reference Pt	Rig on SLOT#1 CWU 1227-06 (817'FNL & 702'FEL) (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on SLOT#1 CWU 1227-06 (817'FNL & 702'FEL) (RT)	Section Origin	N 0.00, E 0.00 ft

188.09°

Field Vertical Reference Mean Sea Level Section Azimuth



# Planned Wellpath Report CWU 1227-06H (REV-C.0)\_pwp

Page 2 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator EOG RESOURCES

Slot

SLOT#1 CWU 1227-06H (817'FNL & 702'FEL)

Area UTAH Field **UINTA COUNTY (EOG NAD 27)**  Well Wellbore CWU 1227-06H

CWU 1227-06H PWB

Facility SEC.6-T9S-R23E

MD		Azimuth	TVD	Vert Sect	North	East	DLS
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[°/100ft]
0.00†	0.000	188.086	0.00	0.00	0.00	0.00	0.0
20.00	0.000	188.086	20.00	0.00	0.00	0.00	0.0
120.00†	0.000	188.086	120.00	0.00	0.00	0.00	0.00
220.00†	0.000	188.086	220.00	0.00	0.00	0.00	0.00
320.00†	0.000	188.086	320.00	0.00	0.00	0.00	0.00
420.00†	0.000	188.086	420.00	0.00	0.00	0.00	0.00
520.00†	0.000	188.086	520.00	0.00	0.00	0.00	0.00
620.00†	0.000	188.086	620.00	0.00	0.00	0.00	0.00
720.00†	0.000	188.086	720.00	0.00	0.00	0.00	0.00
820.00†	0.000	188.086	820.00	0.00	0.00	0.00	0.00
920.00†	0.000	188.086	920.00	0.00	0.00	0.00	0.00
1020.00†	0.000	188.086	1020.00	0.00	0.00	0.00	0.00
1120.00†	0.000	188.086	1120.00	0.00	0.00	0.00	0.00
1220.00†	0.000	188.086	1220.00	0.00	0.00	0.00	0.00
1320.00†	0.000	188.086	1320.00	0.00	0.00	0.00	0.00
1420.00†	0.000	188.086	1420.00	0.00	0.00	0.00	0.00
1520.00†	0.000	188.086	1520.00	0.00	0.00	0.00	0.00
1620.00†	0.000	188.086	1620.00	0.00	0.00	0.00	0.00
1720.00†	0.000	188.086	1720.00	0.00	0.00	0.00	0.00
1820.00†	0.000	188.086	1820.00	0.00	0.00	0.00	0.00
1920.00†	0.000	188.086	1920.00	0.00	0.00	0.00	0.00
2020.00†	0.000	188.086	2020.00	0.00	0.00	0.00	0.00
2120.00†	0.000	188.086	2120.00	0.00	0.00	0.00	0.00
2220.00†	0.000	188.086	2220.00	0.00	0.00	0.00	0.00
2320.00†	0.000	188.086	2320.00	0.00	0.00	0.00	0.00
2420.00†	0.000	188.086	2420.00	0.00	0.00	0.00	0.00
2520.00†	0.000	188.086	2520.00	0.00	0.00	0.00	0.00
2620.00†	0.000	188.086	2620.00	0.00	0.00	0.00	0.00
2720.00†	0.000	188.086	2720.00	0.00	0.00	0.00	0.00
2820.00†	0.000	188.086	2820.00	0.00	0.00	0.00	0.00
2920.00†	0.000	188.086	2920.00	0.00	0.00	0.00	0.00
3020.00†	0.000	188.086	3020.00	0.00	0.00	0.00	0.00
3120.00†	0.000	188.086	3120.00	0.00	0.00	0.00	0.00
3220.00†	0.000	188.086	3220.00	0.00	0.00	0.00	0.00
3320.00†	0.000	188.086	3320.00	0.00	0.00	0.00	0.00
3420.00†	0.000	188.086	3420.00	0.00	0.00	0.00	0.00
3520.00†	0.000	188.086	3520.00	0.00	0.00	0.00	0.00
3620.00†	0.000	188.086	3620.00	0.00	0.00	0.00	0.00
3720.00†	0.000	188.086	3720.00	0.00	0.00	0.00	0.00
3820.00†	0.000	188.086	3820.00	0.00	0.00	0.00	0.00
3920.00†	0.000	188.086	3920.00	0.00	0.00	0.00	0.00
4020.00†	0.000	188.086	4020.00	0.00	0.00	0.00	0.00
4120.00†	0.000	188.086	4120.00	0.00	0.00	0.00	0.00
4220.00†	0.000	188.086	4220.00	0.00	0.00	0.00	0.00
4320.00†	0.000	188.086	4320.00	0.00	0.00	0.00	0.00



# Planned Wellpath Report CWU 1227-06H (REV-C.0)\_pwp

Page 3 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator EOG RESOURCES

Slot

SLOT#1 CWU 1227-06H (817'FNL & 702'FEL)

Area UTAH

Field

**UINTA COUNTY (EOG NAD 27)** 

Well Wellbore

CWU 1227-06H

Facility SEC.6-T9S-R23E CWU 1227-06H PWB

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]
4420.00†	0.000	188.086	4420.00	0.00	0.00	0.00	0.00
4520.00†	0.000	188.086	4520.00	0.00	0.00	0.00	0.0
4620.00†	0.000	188.086	4620.00	0.00	0.00	0.00	0.00
4720.00†	0.000	188.086	4720.00	0.00	0.00	0.00	0.00
4820.00†	0.000	188.086	4820.00	0.00	0.00	0.00	0.00
4920.00†	0.000	188.086	4920.00	0.00	0.00	0.00	0.00
5020.00†	0.000	188.086	5020.00	0.00	0.00	0.00	0.00
5120.00†	0.000	188.086	5120.00	0.00	0.00	0.00	0.00
5220.00†	0.000	188.086	5220.00	0.00	0.00	0.00	0.00
5320.00†	0.000	188.086	5320.00	0.00	0.00	0.00	0.00
5420.00†	0.000	188.086	5420.00	0.00	0.00	0.00	0.00
5520.00†	0.000	188.086	5520.00	0.00	0.00	0.00	0.00
5620.00†	0.000	188.086	5620.00	0.00	0.00	0.00	0.00
5720.00†	0.000	188.086	5720.00	0.00	0.00	0.00	0.00
5820.00†	0.000	188.086	5820.00	0.00	0.00	0.00	0.00
5920.00†	0.000	188.086	5920.00	0.00	0.00	0.00	0.00
6020.00†	0.000	188.086	6020.00	0.00	0.00	0.00	0.00
6120.00†	0.000	188.086	6120.00	0.00	0.00	0.00	0.00
6220.00†	0.000	188.086	6220.00	0.00	0.00	0.00	0.00
6262.38	0.000	188.086	6262.38	0.00	0.00	0.00	0.00
6320.00†	3.457	188.086	6319.97	1.74	-1.72	-0.24	6.00
6420.00†	9.457	188.086	6419.29	12.98	-12.85	-1.83	6.00
6520.00†	15.457	188.086	6516.89	34.54	-34.20	-4.86	6.00
6620.00†	21.457	188.086	6611.70	66.19	-65.53	-9.31	6.00
6720.00†	27.457	188.086	6702.68	107.57	-106.50	-15.13	6.00
6820.00†	33.457	188.086	6788.85	158.24	-156.66	-22.26	6.00
6920.00†	39.457	188.086	6869.24	217.63	-215.47	-30.61	6.00
7020.00†	45.457	188.086	6942.98	285.11	-282.27	-40.10	6.00
7120.00†	51.457	188.086	7009.27	359.92	-356.34	-50.63	6.00
7220.00†	57.457	188.086	7067.37	441.25	-436.86	-62.07	6.00
7320.00†	63.457	188.086	7116.66	528.21	-522.96	-74.30	6.00
7420.00†	69.457	188.086	7156.58	619.84	-613.68	-87.19	6.00
7520.00†	75.457	188.086	7186.71	715.15	-708.04	-100.60	6.00
7620.00†	81.457	188.086	7206.71	813.08	-805.00	-114.37	6.00
7720.00†	87.457	188.086	7216.36	912.57	-903.49	-128.37	6.0
7774.04	90.700	188.086	7217.23	966.60	-956.99	-135.97	6.00
7820.00†	90.700	188.086	7216.67	1012.55	-1002.48	-142.43	0.00
7920.00†	90.700	188.086	7215.45	1112.54	-1101.48	-156.50	0.00
8020.00†	90.700	188.086	7214.23	1212.54	-1200.48	-170.56	0.00
8120.00†	90.700	188,086	7213.01	1312.53	-1299.48	-184.63	0.0
8220.00†	90.700	188.086	7211.79	1412.52	-1398.48	-198.69	0.00
8320.00†	90.700	188.086	7210.56	1512.51	-1497.47	-212.76	0.0
8420.00†	90.700	188.086	7209.34	1612.51	-1596.47	-226.82	0.0
8520.00†	90.700	188.086	7208.12	1712.50	-1695.47	-240.89	0.0
8620.00†	90.700	188.086	7206.90	1812.49	-1794.47	-254.95	0.0



# Planned Wellpath Report CWU 1227-06H (REV-C.0)\_pwp

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REFERENCE WELLPATH IDENTIFICATION

Operator EOG RESOURCES

Slot

SLOT#1 CWU 1227-06H (817'FNL & 702'FEL)

Area UTAH

Well

CWU 1227-06H

Field UINTA COUNTY (EOG NAD 27) Wellbore

CWU 1227-06H PWB

SEC.6-T9S-R23E Facility

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	DLS
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[°/100ft]
8720.00†	90.700	188.086	7205.68	1912.48	-1893.47	-269.02	0.0
8820.00†	90.700	188.086	7204.46	2012.48	-1992.47	-283.08	0.0
8920.00†	90.700	188.086	7203.23	2112.47	-2091.47	-297.15	0.
9020.00†	90.700	188.086	7202.01	2212.46	-2190.46	-311.21	0.
9120.00†	90.700	188.086	7200.79	2312.45	-2289.46	-325.28	0.
9220.00†	90.700	188.086	7199.57	2412.45	-2388.46	-339.34	0.
9320.00†	90.700	188.086	7198.35	2512.44	-2487.46	-353.41	0.
9420.00†	90.700	188.086	7197.13	2612.43	-2586.46	-367.48	0.
9520.00†	90.700	188.086	7195.90	2712.42	-2685.46	-381.54	0.
9620.00†	90.700	188.086	7194.68	2812.42	-2784.45	-395.61	0.
9720.00†	90.700	188.086	7193.46	2912.41	-2883.45	-409.67	0.
9820.00†	90.700	188.086	7192.24	3012.40	-2982.45	-423.74	0.
9920.00†	90.700	188.086	7191.02	3112.39	-3081.45	-437.80	0.
10020.00†	90.700	188.086	7189.79	3212.39	-3180.45	-451.87	0.
10120.00†	.90.700	188.086	7188.57	3312.38	-3279.45	-465.93	0.
10220.00†	90.700	188.086	7187.35	3412.37	-3378.44	-480.00	0.
10320.00†	90.700	188.086	7186.13	3512.36	-3477.44	-494.06	0.
10420.00†	90.700	188.086	7184.91	3612.36	-3576.44	-508.13	0.
10520.00†	90.700	188.086	7183.69	3712.35	-3675.44	-522.19	0.
10620.00†	90.700	188.086	7182.46	3812.34	-3774.44	-536.26	0.
10720.00†	90.700	188.086	7181.24	3912.33	-3873.44	-550.33	0.
10820.00†	90.700	188.086	7180.02	4012.33	-3972.43	-564.39	0.
10920.00†	90.700	188.086	7178.80	4112.32	-4071.43	-578.46	0.
11020.00†	90.700	188.086	7177.58	4212.31	-4170.43	-592.52	0.
11120.00†	90.700	188.086	7176.36	4312.30	-4269.43	-606.59	0
11220.00†	90.700	188.086	7175.13	4412.30	-4368.43	-620.65	0
11231.00	90.700	188.086	7175.00 <sup>1</sup>	4423.30	-4379.32	-622,20	0.



## **Planned Wellpath Report**

CWU 1227-06H (REV-C.0) pwp Page 5 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator EOG RESOURCES

Area UTAH

**UINTA COUNTY (EOG NAD 27)** 

SEC.6-T9S-R23E

Slot

SLOT#1 CWU 1227-06H (817'FNL & 702'FEL)

Well CWU 1227-06H

Wellbore

CWU 1227-06H PWB

**TARGETS** 

Name

Field

Facility

MD [ft]

TVD [ft]

North East [ft]

**Grid East** [srv ft] [ft]

**Grid North** [srv ft]

Latitude

Longitude

Shape

1) CWU 1227-06H TARGET

11231.00 7175.00 -4379.32 -622.20 2597719.47 635221.81 40°03'27.951"N 109°21'51.778"W point

(10'FSL & 1330'FEL)

Start MD

SURVEY PROGRAM Ref Wellbore: CWU 1227-06H PWB

End MD [ft]

**Positional Uncertainty Model** 

Ref Wellpath: CWU 1227-06H (REV-C.0)\_pwp Log Name/Comment

Wellbore

[ft] 20.00 11231.00 NaviTrak (Standard)

CWU 1227-06H PWB



# Planned Wellpath Report CWU 1227-06H (REV-C.0)\_pwp

Page 6 of 6



REFERENCE WELLPATH IDENTIFICATION

SLOT#1 CWU 1227-06H (817'FNL & 702'FEL) Operator EOG RESOURCES Slot

Area UTAH Well CWU 1227-06H

**UINTA COUNTY (EOG NAD 27)** Wellbore CWU 1227-06H PWB Field

SEC.6-T9S-R23E Facility

#### WELLPATH COMMENTS

MD	Inclination	Azimuth	TVD	Comment
[ft]	[°]	[°]	[ft]	
2033.00	0.000	188.086		GREEN RIVER FM
5011.00	0.000	188.086		WASATCH
5662.00	0.000	188.086	5662.00	CHAPITA WELLS
6313.02	3.039	188.086	6313.00	BUCK CANYON
6924.88	39.750	188.086	6873.00	NORTH HORN

## EOG RESOURCES, INC.

## CWU #1227-06H SECTION 6, T9S, R23E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH: PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST: TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST: PROCEED IN A SOUTHEASTERLY THEN NORTHEASTERLY DIRECTION APPROXIMATELY 2.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATLEY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATLEY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATLEY 1.0 MILES TO THE EXISTING #651-6 AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.0 MILES.

## **EOG RESOURCES, INC.**

CWU #1227-06H LOCATED IN UINTAH COUNTY, UTAH SECTION 6, T98, R23E, S.L.B.&M.

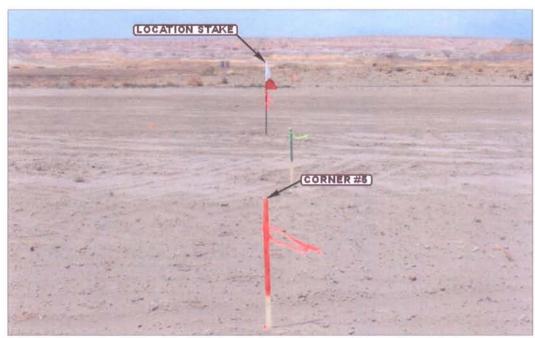


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: EASTERLY



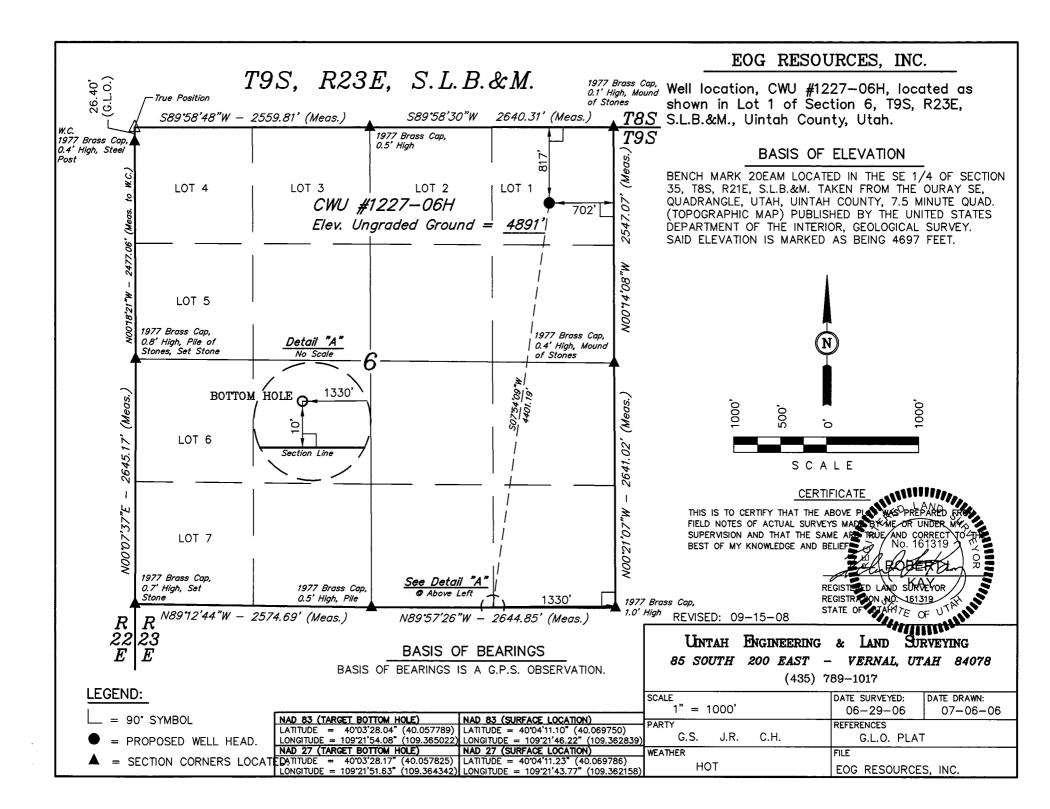
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 uels@uelsinc.com

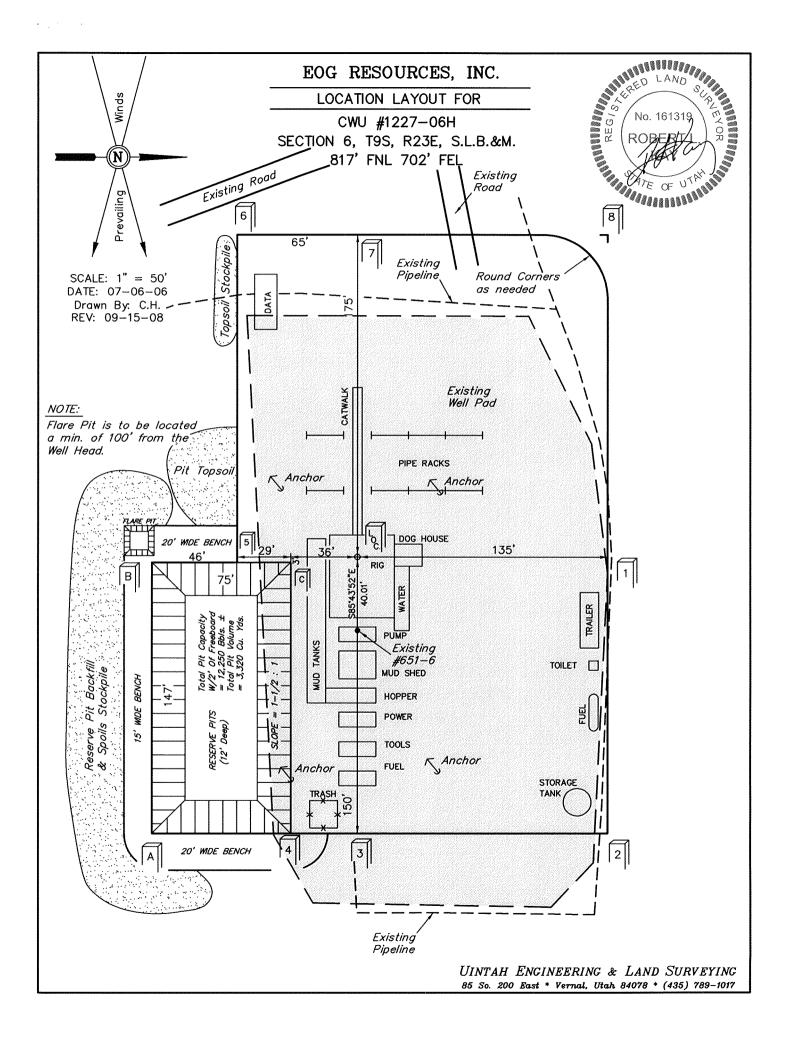
LOCATION PHOTOS

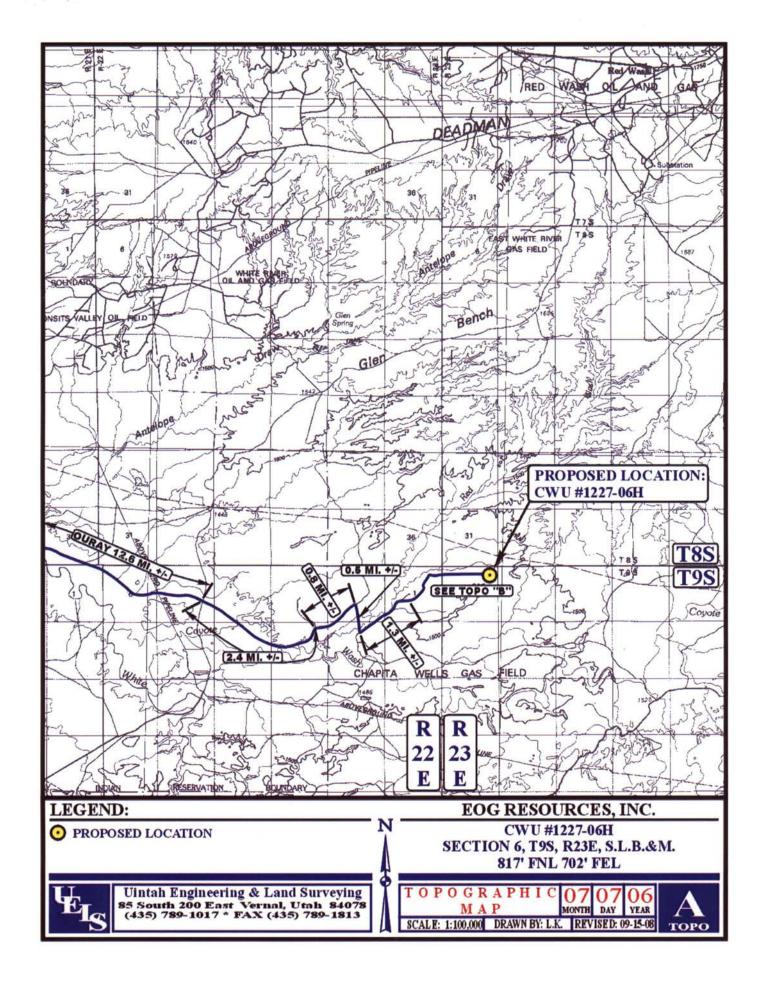
MONTH DAY YEAR

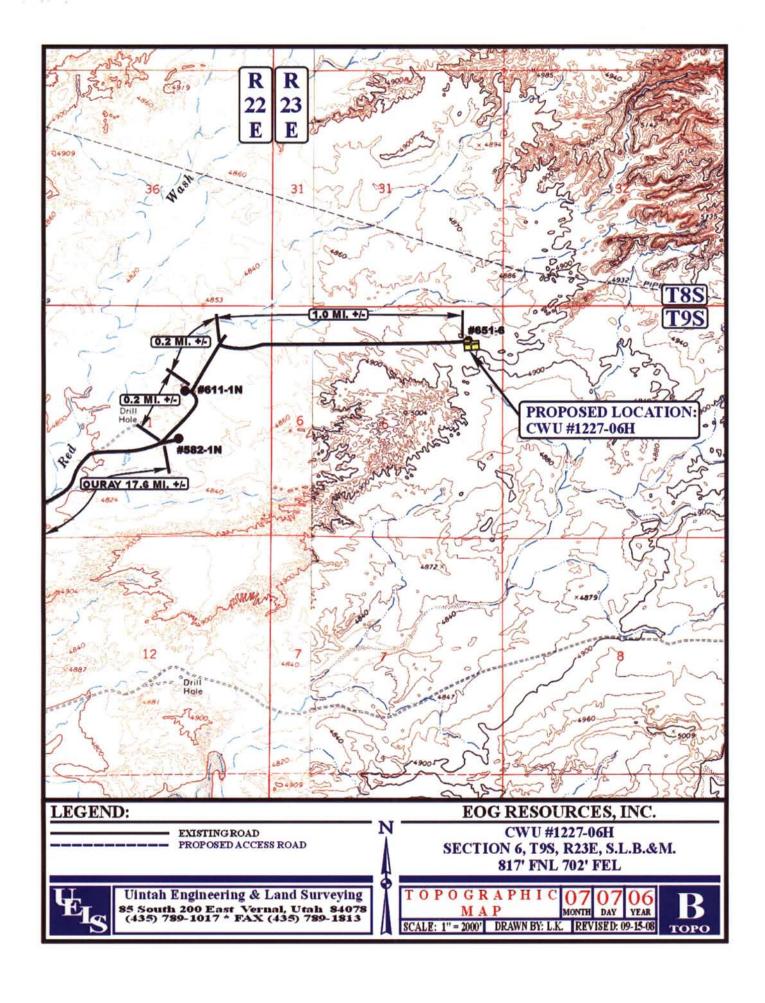
PHOTO

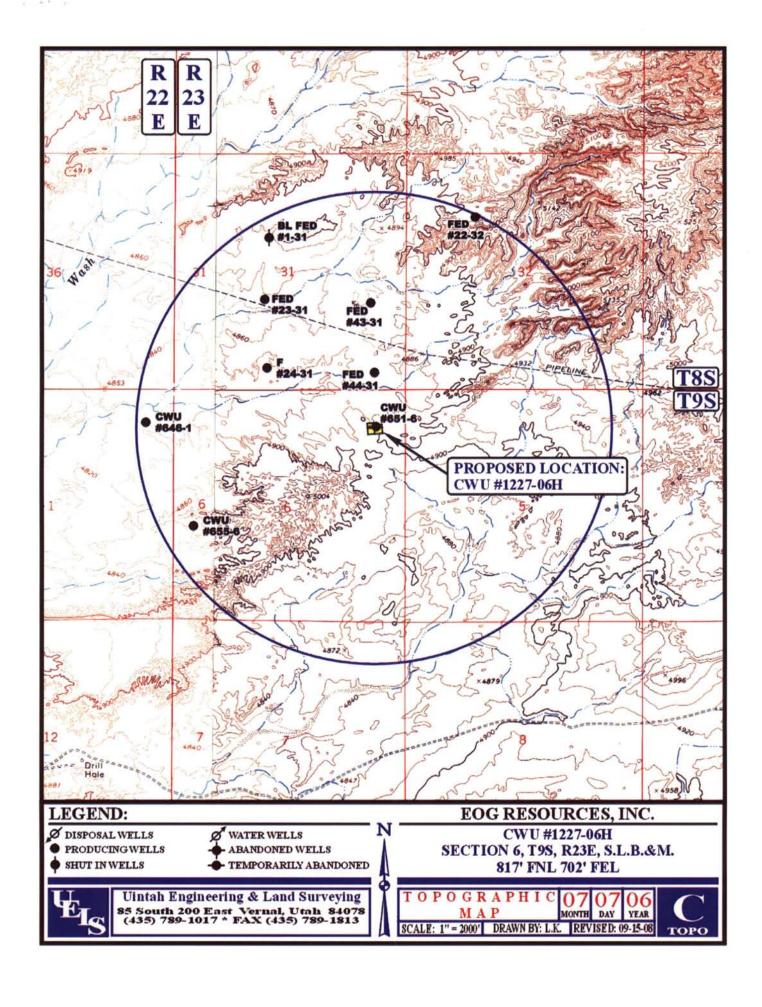
TAKEN BY: G.S. DRAWN BY: L.K. REVISED: 09-15-08

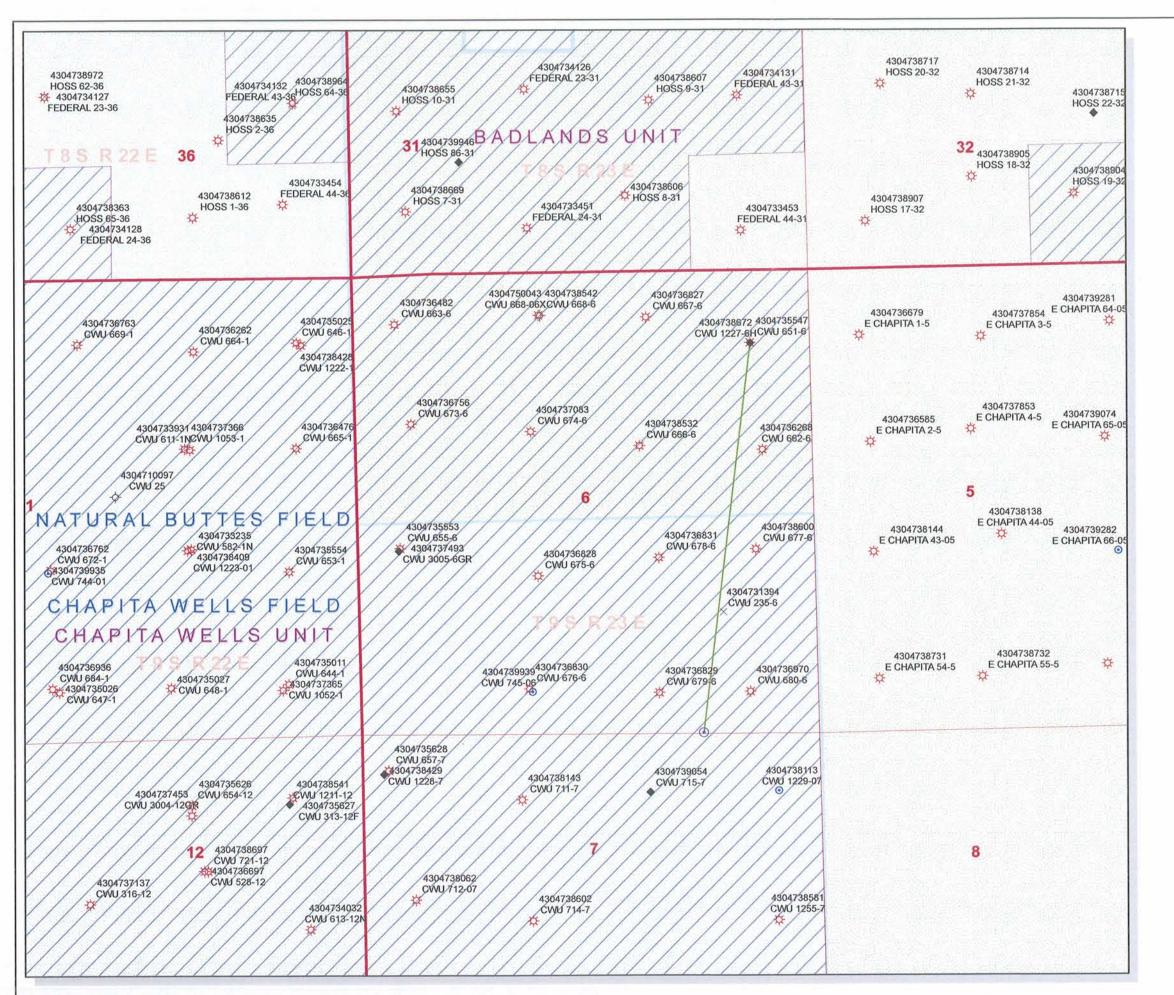












API Number: 4304738672 Well Name: CWU 1227-6H

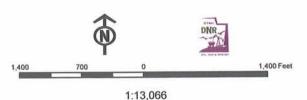
Township 09.0 S Range 23.0 E Section 06

Meridian: SLBM

Operator: EOG RESOURCES, INC.







Form 3160-5 (February 2005)

## UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007

L	OKEAU OF LAND MAI	NAGEMENT		5. Lease Se	rial No.
	NOTICES AND RE			Multi	ole (See Attached)
Do not use the abandoned we	is form for proposals ell. Use Form 3160-3 (	to drill or to (APD) for suc	re-enter an h proposals.	6. If India	an, Allottee or Tribe Name
SUBMIT IN TRI	PLICATE- Other inst	ructions on r	everse side.		or CA/Agreement, Name and/or No.
<ol> <li>Type of Well Oil Well ✓</li> </ol>		ame and No.			
2. Name of Operator EOG Resou	Multi	ple (See Attached)			
3a. Address 1060 E. HWY 40 Vernal, UT 84	1079	3b. Phone No. (i	nclude area code)		/ell No. ple (See Attched)
4. Location of Well (Footage, Sec., 7		433-769-079			nd Pool, or Exploratory Area al Buttes
Multiple (See Attached)	, ra, ra, or our roy sould specify	CWU	1 38672	11. County	or Parish, State
12 CUITCIV AD	DDODDIATE DOVED TO		3E 6		n County, Utah
	PROPRIATE BOX(ES) TO	INDICATE NA	<u> </u>	REPORT, O	R OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	Production (S	itart/Resume)	Water Shut-Off Well Integrity
Subsequent Report	Casing Repair	New Construc	tion Recomplete		Other Air Drilling Variance
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Aban Plug Back	don Temporarily A Water Disposa		Request
determined that the site is ready	al Abandonment Notices must be for final inspection.) ctfully requests authorization			mation, have be	en completed, and the operator has
COPY SENT TO OPERATOR					RECEIVED
Initials: 145	•				SEP 2 2 2008
	<u></u>	-	· · · · · · · · · · · · · · · · · · ·		DIV. OF OIL, GAS & MINING
14. I hereby certify that the foreg Name (Printed/Typed)	oing is true and correct				
Mickenzie Thacke	r	Tit	e Operations Clerk		
Signature William	ie Thadler:	Da	te	09/17/2008	
	THIS SPACE FOR I	EDERAL O	R STATE OFFICE	USE	
Approved by \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Ant		Title Pet En		Date 10/7/08
Conditions of approval, if any, are at certify that the applicant holds legal which would entitle the applicant to compare the conditions of the conditions	or equitable title to those rights in	loes not warrant or the subject lease	Office DOG n	^	Federal Approval Of This Action Is Necessary

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

43-047-39593 43-047-39592	UTU-0282		1	
	HTH_0282	<del> </del>		Sec. 22 T9S R22E
43-047-39592	010-0202	CWU 1180-14	373' FNL 1370' FEL	NWNE
43-047-39592				Sec. 14 T9S R22E
1	UTU-0281	CWU 1181-10	624' FSL 455' FEL	SESE
10 01= 00015	1,1751,1,0000	0)4(1) 4000 (4		Sec. 10 T9S R22E
43-047-39610	UTU-0282	CWU 1206-14	1909' FNL 2073' FWL	SENW
40.047.00000	LITILOGGO	0)4(1) 4007 04	0001 ENIL 00 (1 E) N/I	Sec. 14 T9S R22E
43-047-39899	UTU-0282	CWU 1207-24	663' FNL 624' FWL	NWNW
43-047-39907	UTU-0282	CWU 1208-24	757' FNL 2238' FEL	Sec. 24 T9S R22E NWNE
43-047-3990 <i>1</i> 	010-0202	CVVU 1200-24	131 FINE 2230 FEL	Sec. 24 T9S R22E
43-047-39898	UTU-0282	CWU 1210-24	2021' FSL 576' FEL	NESE
	010-0202	0000 1210-24	2021 1 01 370 1 11	Sec. 24 T9S R22E
43-047-38541	UTU-0281	CWU 1211-12	726' FNL 825' FEL	NENE
	3.000.	]		Sec. 12 T9S R22E
43-047-38672	UTU-01304	CWU 1227-06	817' FNL 702' FEL	NENE
			- ***	Sec. 6 T9S R23E
43-047-38429	UTU-0343	CWU 1228-07	415' FNL 261' FWL	NWNW
				Sec. 7 T9S R23E
43-047-39638	UTU-0285-A	CWU 1279-28	278' FNL 188' FEL	NENE
				Sec. 28 T9S R22E
43-047-50006	UTU-29535	CWU 1296-30	1192' FSL 1312' FEL	SESE
43-047-39616	UTU-0283-A	CWU 1334-15	142' FNL 1397' FWL	
42.047.20E42	LITH OOO2 A	OWIL 400E 4E	40) ENI 4000) EEL	<u> </u>
43-047-3951 <u>2</u>	010-0263-A	CVVU 1335-15	10 FNL 1330 FEL	1
43-047-39513	LITH-0283-A	C\//LI 1338-15	1850' FSL 1750' FWL	<del></del>
1	010 02007(	000010	1000 1 02 17 00 1 1/42	
43-047-39620	UTU-0284-A	CWU 1339-22	162' FNL 1330' FWL	
				Sec. 22 T9S R22E
43-047-39653	UTU-0284-A	CWU 1342-22	1330' FNL 1100' FWL	SWNW
<u> </u>				Sec. 22 T9S R22E
43-047-39623	UTU-0284-A	CWU 1344-22	1163' FNL 120' FEL	NENE
				January 1, 1941, 1941, 1941, 1941, 1941, 1941, 1941, 1941, 1941, 1941, 1941, 1941, 1941, 1941, 1941, 1941, 194
43-047-39652	UTU-0284-A	CWU 1346-22	2545' FSL 7' FEL	
40.047.0000	11711 0004 0	0)1/// 10/10/00	05; 501, 05; 557	
43-047-39686	UTU-0284-A	CVVU 1348-22	25 FSL 25 FEL	
43 047 E000E	LITIL 0295 A	CWI 1350 27	1220' ENI 1500' E\A!	
<del></del>	010-0200-A	0000 1330-27	IZZO TINE 1000 FVVE	
43-047-39677	UTU-0282	CWU 1353-23	2570' FSL 1330' FWI	
,0 0-11-00011	313 0202	0110 1000-20	2070 1 OL 1000 1 VVL	
43-047-39688	UTU-0282	CWU 1354-23	1181' FSL 2551' FFI	
				Sec. 23 T9S R22E
43-047-39638 43-047-50006 43-047-39616 43-047-39512 43-047-39513 43-047-39620 43-047-39653	UTU-0285-A  UTU-29535  UTU-0283-A  UTU-0283-A  UTU-0284-A  UTU-0284-A	CWU 1279-28  CWU 1296-30  CWU 1334-15  CWU 1335-15  CWU 1338-15  CWU 1339-22	278' FNL 188' FEL  1192' FSL 1312' FEL  142' FNL 1397' FWL  10' FNL 1330' FEL  1850' FSL 1750' FWL  162' FNL 1330' FWL  1330' FNL 1100' FWL	Sec. 7 T9S R23E  NENE Sec. 28 T9S R22E  SESE Sec. 30 T9S R23E  NENW Sec. 15 T9S R22E  NESW Sec. 15 T9S R22E  NENW Sec. 15 T9S R22E  NENW Sec. 22 T9S R22E  NENE Sec. 22 T9S R22E  NENE Sec. 22 T9S R22E  NESE Sec. 22 T9S R22E  NESW Sec. 27 T9S R22E  NENW Sec. 27 T9S R22E  NESW Sec. 23 T9S R22E

ø

### **Air Drilling Operations:**

- 1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

### **VARIANCE REQUESTS:**

### <u>Reference:</u> Onshore Oil and Gas Order No. 1 Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations

- 1. EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- 2. EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- 3. EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- 4. EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- 5. EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

## **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

September 25, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Chapita Wells Unit Uintah

County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well will now be drilled as a horizontal completion (see our memo dated October 3, 2006). The well is planned for calendar year 2008 within the Chapita Wells Unit, Uintah County, Utah.

API# WELL NAME LOCATION

(Proposed PZ Price River)

43-047-38672 CWU 1227-6H Sec 06 T09S R23E 0817 FNL 0702 FEL BHL Sec 06 T09S R23E 0010 FSL 1330 FEL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File - Chapita Wells Unit

Division of Oil Gas and Mining

Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:9-25-08



EOG Resources, Inc.

600 Seventeenth Street Suite 1000N Denver, CO 80202 Main: 303-572-9000 Fax: 303-824-5400

October 10, 2008 FEDERAL EXPRESS

State of Utah Division of Oil, Gas and Mining P.O. Box 145801 Salt Lake City, Utah 84114-5801

43-047-38672

Attention: Ms. Diana Whitney

RE:

**Directional Drilling Application** 

CWU 1227-6H

NENE of Sec. 6-9S-23E, SLM

Uintah County, Utah Federal Lease U-01304

0050521-000

Ladies and Gentlemen:

EOG Resources, Inc. ("EOG") proposes to drill the CWU 1227-6H well horizontally to test the Wasatch objective in the Chapita Wells Unit. Pursuant to Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, EOG has requested and received consent from all owners within a 460' radius of the wellbore path to drill this well horizontally. Enclosed please find a copy of EOG's letter dated September 22, 2008, showing these consents.

Although permits/sundries have already been approved to drill the CWU 1227-6H well, EOG is submitting this application as required pursuant to Rule R649-3-11.

If you have any questions or need any additional information, please do not hesitate to contact the undersigned.

Yours very truly,

EOG RESOURCES, INC.

Debbie Spears Land Associate

/das Enclosures M:\das\CWU1227-6H-DOGM.doc

cc: Kaylene Gardner (with copies of enclosures)
Denver Well File (with copies of enclosures)

DIV. OF OIL, GAS & MINING

**RECEIVED** 

OCT 1 3 2008



RECEIVED

OCT 08 2008

EOG Resources, Inc. 600 Seventeenth Street Denver

EOG Resources, Inc. Suite 1000N Denver, CO 80202 Main: 303-572-9000 Fax: 303-824-5400

September 22, 2008 Facsimile and Regular Mail

ALL PARTIES WITHIN THE CHAPITA WELLS UNIT TO: WASATCH FORMATION CONSOLIDATED PARTICIPATING AREA "B-C-D-E-F" (Names and Addresses on Attached List)

RE:

CWU 1227-6H

Uintah County, Utah Chapita Wells Unit

Ladies and Gentlemen:

EOG Resources, Inc. ("EOG") plans to drill the CWU 1227-6H, well which was proposed to partners on September 19, 2008. This well was originally permitted as a Mesaverde vertical well but EOG's technical staff have decided to convert this well to a Wasatch horizontal well.

Enclosed is a copy of the survey plat for the CWU 1227-6H, well which shows the proposed path of the wellbore, along with a plat showing a 460 foot radius from all points along the intended wellbore. Pursuant to Oil & Gas Conservation Rule R649-3-11, EOG must obtain the written consent of all owners within this 460 radius of the wellbore and file same with the Division of Oil, Gas and Mining prior to drilling.

Therefore, EOG respectfully requests your consent to this horizontal plan by having this letter dated and executed in the spaces provided below and returning one (1) originally executed copy to my attention at the letterhead address at your very earliest opportunity. Please note that this consent does not constitute an election to participate in the CWU 1227-6H well.

> **RECEIVED** OCT 1 3 2008

DIV. OF OIL, GAS & MINING

If you have any questions, please don't hesitate to contact the undersigned at (303) 824-5430 or at <a href="mailto:debbie\_spears@eogresources.com">debbie\_spears@eogresources.com</a>.

Sincerely,

**EOG RESOURCES, INC.** 

Debbie Spears Land Associate

/das M:\das\CWU1227-6H.doc

CC:

Paul Schuler – Denver Lynn Krailo – Houston

WW-Mr Gee ON Cas Dyslove W hereby consents to the horizontal drilling of the CWU 1227-6H well this \_\_\_\_\_\_ day of September, 2008.

Ву:

Title:

voir Enginer.

September 22, 2008 Page 2 of 2

If you have any questions, please don't hesitate to contact the undersigned at (303) 824-5430 or at debbie spears@eogresources.com.

Sincerely,

EOG RESOURCES, INC.

**Debbie Spears** Land Associate

/das M:\das\CWU1227-6H.doc

CC:

Paul Schuler - Denver Lynn Krailo - Houston

A.G. Andrikopoulos Resources, Inc. Post Office Box 788

Cheyenne, WY 82003-0788

hereby consents to the horizontal drilling of the

day of September, 2008.

If you have any questions, please don't hesitate to contact the undersigned at (303) 824-5430 or at debbie spears@eogresources.com.

Sincerely,

EOG RESOURCES, INC.

Debbie Spears Land Associate

/das M:\das\CWU1227-6H.doc

CC:

Paul Schuler – Denver Lynn Krailo – Houston

Abraxas Petroleum Corp.

F. B.O. Abroxas Operating, LLC hereby consents to the horizontal drilling of the CWU 1227-6H well this \_\_\_\_\_\_\_ day of September, 2008.

By:

Tod A. Clarke

Title: Land Manager

September 22, 2008
 Page 2 of 2

If you have any questions, please don't hesitate to contact the undersigned at (303) 824-5430 or at <a href="mailto:debbie\_spears@eogresources.com">debbie\_spears@eogresources.com</a>.

Sincerely,

EOG RESOURCES, INC.

Debbie Spears Land Associate

/das M:\das\CWU1227-6H.doc

cc: Paul Schuler – Denver Lynn Krailo – Houston

The Daube Company hereby consents to the horizontal drilling of the CWU 1227-6H well this 30th day of September, 2008.

Keith Crites

Title: Land Manager

September 22, 2008 Page 2 of 2

If you have any questions, please don't hesitate to contact the undersigned at (303) 824-5430 or at <a href="mailto:debbie\_spears@eogresources.com">debbie\_spears@eogresources.com</a>.

Sincerely,

Della Spears

Debble Spears Land Associate

/das M:\das\CWU1227-6H.doc

CC:

Paul Schuler – Denver Lynn Krailo – Houston

ANDERMAN OILS LITAH, INC.

by TAMES <. Down 0500 hereby consents to the horizontal drilling of the CWU 1227-6H well this 22 day of September, 2008.

Ву:

If you have any questions, please don't hesitate to contact the undersigned at (303) 824-5430 or at <a href="mailto:debbie\_spears@eogresources.com">debbie\_spears@eogresources.com</a>.

Sincerely,

EOG RESOURCES, INC.

Debbie Spears Land Associate

/das M:\das\CWU1227-6H.doc

CC:

Paul Schuler - Denver Lynn Krailo - Houston

Ву:

Title:

If you have any questions, please don't hesitate to contact the undersigned at (303) 824-5430 or at <a href="mailto:debbie\_spears@eogresources.com">debbie\_spears@eogresources.com</a>.

Sincerely,

EOG RESOURCES, INC.

Debbie Spears Land Associate

/das M:\das\CWU1227-6H.doc

CC:

Paul Schuler – Denver Lynn Krailo – Houston

M6N Investments, Inc. hereby consents to the horizontal drilling of the CWU 1227-6H well this 30+h day of September, 2008.

Ву:

Title:



#### Debbie Spears/EOGResources 10/10/2008 10:46 AM

To Toni Miller/EOGResources@EOGResources

CC

bcc

Subject Fw: CWU 1227-6H

FYI

---- Forwarded by Debbie Spears/EOGResources on 10/10/2008 10:45 AM -----



"Andy Dunn" <jandunn2@comcast.net>

To "Debbie Spears" <debbie\_spears@eogresources.com>

CĊ

10/10/2008 09:12 AM
Please respond to jandunn2@comcast.net

Subject Re: CWU 1227-6H

Debbie I am out of the office & having trouble getting my computer working. Please accept this e.mail as DABs approval of the 1227-6H.Ill get you a signed letter as soon as I can.Andy Dunn

Sent via BlackBerry from T-Mobile

From: Debbie\_Spears@eogresources.com Date: Thu, 9 Oct 2008 15:35:23 -0600 To: Andy Dunn<jandunn2@comcast.net>

Subject: Fw: CWU 1227-6H

Could you please send me an executed copy of the consent letter for the CWU 1227-6H horizontal well (I've attached a copy in case you've misplaced yours)? I'm assuming you have no problems with the horizontal plan. Please remember that execution of this letter does not mean you've agreed to participate in the drilling of the well. Your election to participate in this well is due October 22, 2008.

Thanks for your help, Andy.



Debbie Spears EOG Resources, Inc. 600 17th St., Suite 1000N Denver, Colorado 80202 (303) 824-5430 (303) 824-5401 (fax) If you have any questions, please don't hesitate to contact the undersigned at (303) 824-5430 or at <a href="mailto:debbie\_spears@eogresources.com">debbie\_spears@eogresources.com</a>.

Sincerely,

EOG RESOURCES, INC.

Debbie Spears Land Associate

/das M:\das\CWU1227-6H.doc

CC:

Paul Schuler – Denver Lynn Krailo – Houston

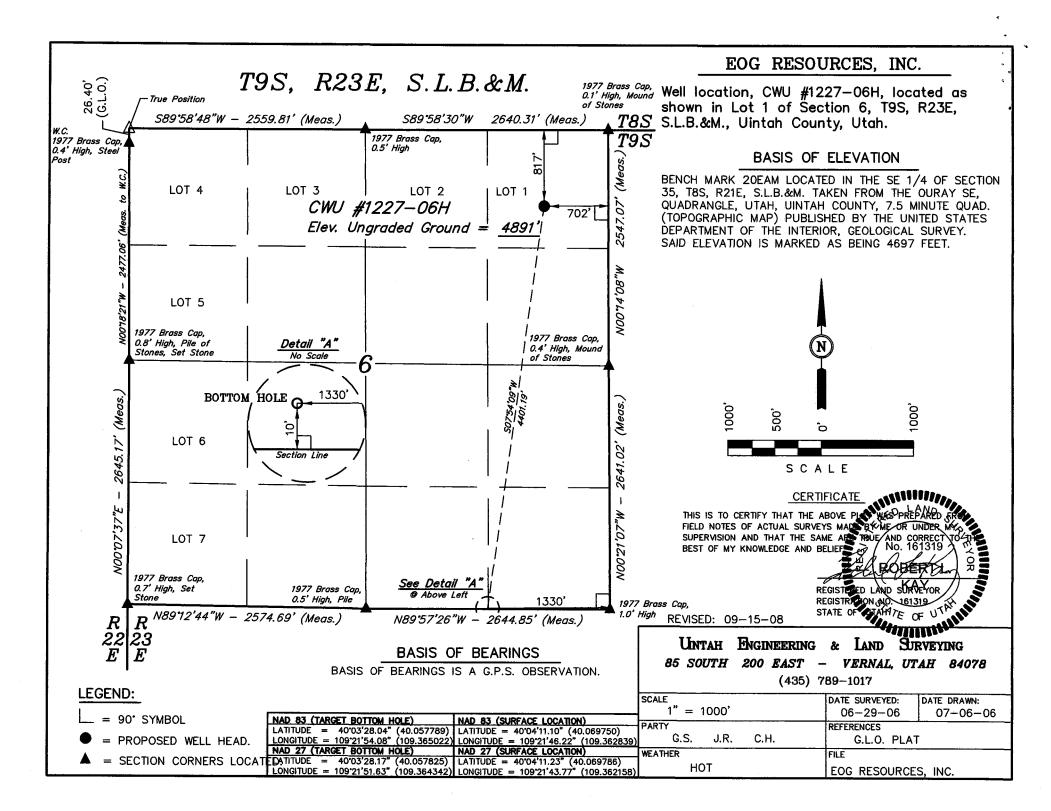
hereby consents to the horizontal drilling of the CWU 1227-6H well this \_\_\_\_\_\_ day of September, 2008.

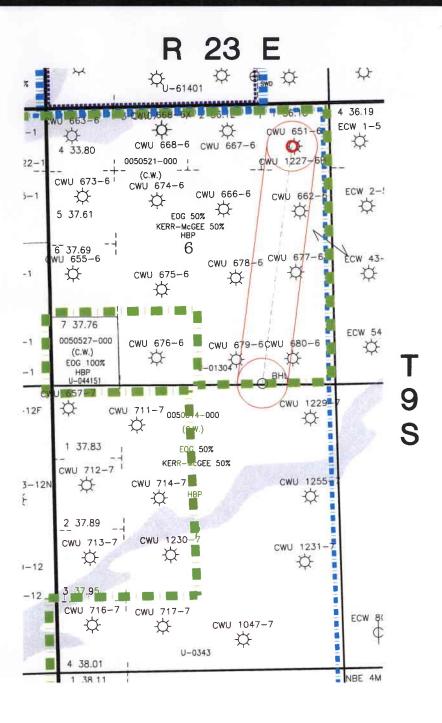
Title: Decor

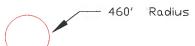
### Attached to that certain Letter dated September 22, 2008

## NAMES, ADDRESSES AND WORKING INTERESTS OF ALL PARTIES WITHIN THE CHAPITA WELLS UNIT WASATCH FORMATION CONSOLIDATED PARTICIPATING AREA "B-C-D-E-F"

Name and Address	Percentage of Working Interest
EOG Resources, Inc. Suite 1100N 600 Seventeenth Street Denver, Colorado 80202 Attention: Ms. Toni Miller	55.0659%
Kerr-McGee Oil & Gas Onshore LP 1099 18 <sup>th</sup> Street, Suite 1200 Denver, Colorado 80202 Attention: Mr. W. Chris Latimer	41.4223%
A.G. Andrikopoulös Resources, Inc. Post Office Box 788 Cheyenne, Wyoming 82003-0788 Attention: Mr. A.G. Andrikopoulos	.8780%
Abraxas Petroleum Corporation 500 N. Loop 1604 East, Suite 100 San Antonio, Texas 78232 Attention: Mr. Stephen T. Wendel	.8428%
The Daube Company Box 38 Ardmore, Oklahoma 73402 Attention: Mr. Keith Crites	.8077%
Anderman Oils Utah, Inc. 4999 S. Birch Street Littleton, Colorado 80121 Attention: Mr. James C. Donaldson	.4938%
Main Street Holdings Company 11413 West 104 <sup>th</sup> St. Overland Park, KS 66214 Attention: Dan Haake	.1626%
MGN Investments, Inc. 21015 South Prospect Ave. Belton, MO 64012 Attention: Mr. Dennis Kroenke	.1626%
DAB Resources P. O. Box 8398 Denver, Colorado 80201-8398 Attention: Mr. J. Andrew Dunn	.1292%
Robert P. Vernon 5016 Augusta Circle College Station, Texas 77845	.0351%







- O CWU 1227-6H Well: Surface Location: 817' FNL & 702' FEL (NENE), Sec.6-T9S-R23E Bottom Hole Location: 10' FSL &1330' FEL (SWSE), Sec.6-T9S-R23E
- ■ 5th Revision of the Consolidated Wasatch P.A. "B-C-D-E-F"



**Denver Division** 

Horizontal Plan CHAPITA WELLS UNIT 1227-6H WELL

**UINTAH COUNTY, UTAH** 

WIND T.L. MILLER 2:34pm Scale:

Form 3160-5 (August 2007)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010

٥.	Lease Serial No.
	UTU01304

SUNDRY NUTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals

6. If Indian, Allottee or Tribe Name

abandoned wei	i. Use form 5100-5 (AFE	o, ioi sucii p				
SUBMIT IN TRI	PLICATE - Other instruc	tions on rev	erse side.		7. If Unit or CA/Ag CHAPITA WE	reement, Name and/or No. LLS
Type of Well     Oil Well			8. Well Name and N CHAPITA WELL	o. S UNIT 1227-06H		
Name of Operator     EOG RESOURCES, INC.	Contact: E-Mail: MICKENZII	MICKENZIE E_THACKER@	THACKER EOGRESOURCE	ES.COM	9. API Well No. 43-047-38672	
3a. Address 1060 E. HWY 40 VERNAL, UT 84078		3b. Phone No Ph: 435-78	. (include area code) 1-9145		10. Field and Pool, o NATURAL BU	
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description,	)		***************************************	11. County or Parisl	n, and State
Sec 6 T9S R23E NENE 817FI 40.06975 N Lat, 109.36284 W					UINTAH COU	NTY, UT
12. CHECK APPE	ROPRIATE BOX(ES) TO	) INDICATE	NATURE OF N	NOTICE, RE	EPORT, OR OTH	ER DATA
TYPE OF SUBMISSION			ТҮРЕ ОІ	FACTION		
Nation of Intent	☐ Acidize	☐ Dee	pen	☐ Producti	on (Start/Resume)	■ Water Shut-Off
► Notice of Intent	Alter Casing	☐ Frac	ture Treat	☐ Reclama	ation	Well Integrity
☐ Subsequent Report	□ Casing Repair	■ New	Construction	☐ Recomp	lete	<b>⊠</b> Other
☐ Final Abandonment Notice	Change Plans	Plug	and Abandon	☐ Tempora	arily Abandon	Change to Original A PD
	☐ Convert to Injection	□ Plug	g Back	■ Water D	isposal	
following completion of the involved testing has been completed. Final At determined that the site is ready for fit EOG Resources, Inc. respectf Casing: Conductor Hole Size: 26" Length: 40-60' Size: 16" Weight: 65.0# Grade: H-40 Thread: STC Rating Collapse: 670 PSI Factor Burst: 1640 PSI Tensile: 736#	pandonment Notices shall be file inal inspection.)	ed only after all	requirements, includ	te as follows:	i, have been completed	RECEIVED  DEC 18 2003  OF OIL, GAS & MINING
<ol> <li>I hereby certify that the foregoing is</li> <li>Name (Printed/Typed) MICKENZ</li> </ol>	Electronic Submission #		INĆ., sent to the		•	
	~		0, 2, 0		· ·· ·	
Signature MidWhelidnic S	Thacker.)		Date 12/16/2	008	=	
	THIS SPACE FO	R FEDERA	L OR STATE	OFFICE US	SE	
Approved By SVVV	Let		Title Pet.	Eng.		Date 1/6/09
Conditions of approval, if any, are attache certify that the applicant holds legal or equal which would entitle the applicant to condu-	uitable title to those rights in the act operations thereon.	e subject lease	Office 1	6M	Action	Approval Of This Is Necessary
Title 18 U.S.C. Section 1001 and Title 43	U.S.C. Section 1212, make it a	crime for any pe	rson knowingly and	l willfully to ma	ke to any department	or agency of the United

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

### DIVISION OF OIL, GAS AND MINING

#### **SPUDDING INFORMATION**

Name of Con	mpany:	E(	OG RESO	OURCE	S INC		
Well Name	:	C	WU 122	7-6H		<u></u>	
Api No:	43-047-	38672			Lease T	`ype: <u> </u>	EDERAL
Section_06	Townsh	ip <u>09S</u>	_Range_	23E	County_	UINTA	AH
Drilling Cor	ntractor <u>C</u>	RAIG'S	ROUSTA	BOUT	SERV	_RIG #_	RATHOLE
SPUDDE	D:						
	Date	12/2	0/2008	<del></del>			
	Time	3:30	) PM	·			
	How	DR	Y		\$		
Drilling wi	ill Comm	ence:					
Reported by			<b>JERRY</b>	BARNE	2S		
Telephone #			(435) 82	8-1720			
Date	12/22/08	Si	gned	CHD			

## STATE OF UTAH

SIAIL OF STAIL
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

			ENTITY ACTION	FORM					
Operator: Address:	1060 E	RESOURCES East Highway 40	Operator Account Number: N 9550						
	city VE								
	state_\	JT	zip 84078	•	Ρ	hone <b>N</b> u	mber: _	(435) 781-9145	
Well 1									
APIN	umber	Well	Name	QQ	Sec	Twp	Rng	County	
43-047	-38672	CHAPITA WELLS U	NIT 1227-06H	NENE	6	98	23E	UINTAH	
Action	Code	Current Entity Number	New Entity Number	s	pud Dat	te		tity Assignment Effective Date	
	B	99999	4905	1	2/20/200	)8	12	130/08	
Commen	its: WAS	ATCH		- <b>L</b>			1 1 0 2/	20/00	
DEP	J- VAS	ATOH -	14905 BHL= SWS	E		•			
7		<u> </u>				<del></del>			
Well 2									
API No	umber	Well	Name	QQ	Sec	Twp	Rng	County	
					-				
Action	Code	Current Entity New Entity Number Number		Spud Date			Entity Assignment Effective Date		
Commen	its:				<u> </u>				
Well 3									
API Nu	umber	Well	Name	QQ	Sec	Twp	Rng	County	
						<u> </u>			
Action	Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date			
Commen	ts:	<u> </u>						· · · · · · · · · · · · · · · · · · ·	
B - Add C - Re-a D - Re-a	ablish new o new well to assign well assign well	entity for new well (single o existing entity (group or from one existing entity to from one existing entity to in 'comments' section)	unit well) o another existing entity o a new entity	Nam M Sign Ope	kenzie 7 e (Please ature erations	Print) MÜ	Madu	12/22/2008 Date	
			RECEIVED	11110					

(5/2000)

DEC 2 2 2008

Form 3160-5 (August 2007)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

Expires: July 31, 2010 5. Lease Serial No. UTU01304

FORM APPROVED

OMB NO. 1004-0135

**SUNDRY NOTICES AND REPORTS ON WELLS** 

Do not use the abandoned we	6. If Indian, Allottee	or Tribe Name					
SUBMIT IN TRI	PLICATE - Other instructi	ons on reverse side.		7. If Unit or CA/Agre CHAPITA WEL	ement, Name and/or No. LS		
Type of Well	ner			8. Well Name and No. CHAPITA WELLS	S UNIT 1227-06H		
2. Name of Operator EOG RESOURCES, INC.		IICKENZIE THACKER _THACKER@EOGRESOURC	ES.COM	9. API Well No. 43-047-38672			
3a. Address 1060 E. HWY 40 VERNAL, UT 84078	1060 E. HWY 40 Ph: 435-781-9145						
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)			11. County or Parish, and State			
Sec 6 T9S R23E NENE 817F 40.06975 N Lat, 109.36284 W				UINTAH COUN	ITY, UT		
12. CHECK APPI	ROPRIATE BOX(ES) TO	INDICATE NATURE OF	NOTICE, R	EPORT, OR OTHE	ER DATA		
TYPE OF SUBMISSION		ТҮРЕ О	F ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Produc	tion (Start/Resume)	☐ Water Shut-Off		
_	☐ Alter Casing	☐ Fracture Treat	☐ Reclam	ation	☐ Well Integrity		
Subsequent Report	□ Casing Repair	■ New Construction	□ Recom	plete	Other		
☐ Final Abandonment Notice	☐ Change Plans	Plug and Abandon	□ Tempo	orarily Abandon Well Spud			
	☐ Convert to Injection	□ Plug Back	■ Water 1	Disposal			

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The referenced well was spud on 12/20/2008.

RECEIVED DEC 2 9 2003

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.  Electronic Submission #65784 verified For EOG RESOURCES,			
Name (Printed/Typed) MICKENZIE THACKER	Title	OPERATIONS CLERK	
Signature W Color of Submarded W.	Date	12/22/2008	
THIS SPACE FOR FEDERA	AL OR	STATE OFFICE USE	
Approved By	Title		Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Offic	e	
Tid 10 H C C C cities 1001 and Tid 42 H C C C cities 1212 and cities online for only no	1	assistative and suillfullusta make to easy deportment as accor	ou of the United

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

#### STATE OF UTAH

	DEPARTMENT OF NATURAL		TORWS
	DIVISION OF OIL, GAS A		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU01304
SUNDR	Y NOTICES AND REP	PORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill drill horizontal	l new wells, significantly deepen existing well l laterals. Use APPLICATION FOR PERMIT	s below current bottom-hole depth, reenter plugged wells, or to TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: Chapita Wells Unit
1. TYPE OF WELL OIL WELL	GAS WELL 🗸	THER	8. WELL NAME and NUMBER: Chapita Wells Unit 1227-06H
2. NAME OF OPERATOR:			9. API NUMBER:
EOG Resources, Inc.  3. ADDRESS OF OPERATOR:		PHONE NUMBER:	43-047-38672  10. FIELD AND POOL, OR WILDCAT:
	TY Vernal STATE (	JT <sub>ZIP</sub> 84078 (435) 781-9111	Natural Buttes
4. LOCATION OF WELL FOOTAGES AT SURFACE: 817 F	FNL 702 FEL Lat 40.069750	D Lon 109.362839	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RA	NGE, MERIDIAN: NENE 6	9S 23E S	STATE: UTAH
11. CHECK APP	ROPRIATE BOXES TO IN	IDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
Approximate date work will start:	ALTER CASING  CASING REPAIR	FRACTURE TREAT  NEW CONSTRUCTION	SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
	COMMINGLE PRODUCING FORM		OTHER:
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
	•	show all pertinent details including dates, depths, volume	
EOG Resources, Inc. res	pectfully requests authorize	ation to change the TD for the reference	d well,
From: 9715			
To: 11,380 MD/7175 TVI	D +/-300	<u>.</u>	
70. 11,000 WID/7170 TVE	J +/-000	Approved by the	
		Utah Division of Oil, Gas and Mining	
		On, cas and winning	
		Date: 01-28-109	
		By: Teastall	
		- Free Fire	
		$\mathcal{P}$	
		·	
Vaulda I	D. Cardaar	Daniel Labora Admin	-1-1
NAME (PLEASE PRINT) NAME (PLEASE PRINT)	R. Gardner	TITLE Regulatory Admir	nistrator
SIGNATURE TO SULLY	Jachen,	DATE 1/22/2009	
This space for State use only)			
COP	PY SENT TO OPERATOR	R	ECEIVED
<b>.</b>	1.20.2Mg		

(5/2000)

Date: 1.29.2009

Initials: <u>165</u>

(See Instructions on Reverse Side)

JAN 26 2009

DIV. OF OIL, GAS & MINING

Form 3160-5 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	FORM APPROVED
	OMB NO. 1004-0135
	Expires: July 31, 2010
5	Lanca Cariol No.

SUNDRY N	OTICES AND REPORTS ON WELLS	
Do not use this	form for proposals to drill or to re-enter an	ı
	Has form 2160 2 (ADD) for such proposals	

	NO LICES AND REPORTS			01001304	
	is form for proposals to dril II. Use form 3160-3 (APD) fo			6. If Indian, Allottee of	r Tribe Name
SUBMIT IN TRI	PLICATE - Other instruction	s on reverse side.		7. If Unit or CA/Agree CHAPITA WELL	ement, Name and/or No. S UNI
Type of Well	ner			8. Well Name and No. CHAPITA WELLS	UNIT 1227-06H
2. Name of Operator EOG RESOURCES, INC.	Contact: KAY E-Mail: kaylene_gardne	LENE R GARDNER er@eogresources.com		9. API Well No. 43-047-38672	
3a. Address 1060 EAST HIGHWAY 40 VERNAL, UT 84078		Phone No. (include area code: 435-781-9111	e)	10. Field and Pool, or Exploratory NATURAL BUTTES	
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)	······································		11. County or Parish, a	and State
Sec 6 T9S R23E NENE 817FI 40.05779 N Lat, 109.36502 W				UINTAH COUN	TY, UT
12. CHECK APPE	ROPRIATE BOX(ES) TO IN	DICATE NATURE OF	NOTICE, R	EPORT, OR OTHER	R DATA
TYPE OF SUBMISSION		ТҮРЕ О	F ACTION		
Notice of Intent	☐ Acidize	☐ Deepen	☐ Product	ion (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing ☐ Fracture Treat ☐ Reclamate		ation	□ Well Integrity	
☐ Subsequent Report	□ Casing Repair	■ New Construction	□ Recomp		
☐ Final Abandonment Notice			arily Abandon	PD	
	☐ Convert to Injection	☐ Plug Back	☐ Water I	Disposal	
0-2565' +/- 100' 12-1/4" 9- 0-7282' +/- 100' 8-3/4" 7"	omission dated 1/15/2009 EC		for the		
14. I hereby certify that the foregoing is	Electronic Submission #6653	4 verified by the BLM We DURCES, INC., sent to the		System	
Name (Printed/Typed) KAYLENE	R GARDNER	Title REGUI	LATORY AD	MINISTRATOR	
Signature (Electronic S	ubmission)	Date 01/21/2	2009		
	THIS SPACE FOR F	EDERAL OR STATE	OFFICE U	SE	
Approved By		Title			Date
Conditions of approval, if any, are attached ertify that the applicant holds legal or equiviries would entitle the applicant to condu	itable title to those rights in the subj	varrant or			
States any false, fictitious or fraudulent s				ake to any department or	agency of the United

#### Additional data for EC transaction #66534 that would not fit on the form

#### 32. Additional remarks, continued

From: 7217 TVD/11,231 MD To: 7,175 TVD/11,380 MD

**Evaluation Program** 

Logs: MWD GR KOP to lateral TD Cased/Hole CB/CCL, Pulsed Neutron KOP to lateral TD

Attached please find a revised drilling and directional plan.

### **EOG RESOURCES**

Field: UINTA COUNTY (EOG NAD 27)

Slot: Slot #01 CWU 1227-06H 817'FNL & 702'FEL

Well: CWU 1227-06H Wellbore: CWU 1227-06H PWB

Facility: SEC.6-T9S-R23E Plot reference wellpath is CWU 1227-06H PWP Rev-D.0

rue vertical depths are referenced to Rig on SLOT#1 CWU 1227-06 (817 FNL & 702 FEL) (RT) Grid System: NAD27 / Lumbert Utah State Planes, Central Zone (4302), US (eet Measured depths are referenced to Rig on SLOT#1 CWU 1227-06 (817 FNL & 702 FEL) (RT) North Reference; True north Rig on SLOT#1 CWU 1227-06 (817 FNL & 702 FEL) (RT) to Mean Sea Level; 4910 feet Scale: True distance

Mean Sea Level to Mud line (Facility: SEC.6-T9S-R23E): 0 feet Coordinates are in feet referenced to Slot

Created by: thomsuzc on 10/14/2008

#### Location Information

Facility Nan	10		Grid East (USft)	Grid North (USft)	Latitude	Longitude
SEC.6-T9S-R	23E		2598236,780	639614,334	40°04'11.230"N	109°21'43.776"W
Slot	Local N (ft)	Local E (ft)	Grid East (USft)	Grid North (USR)	Latitude	Longitude
Slot #01 CWU 1227-06H 817'FNL & 702'FEL	0.00	0.00	2598236,780	639614.334	40°04'11.230"N	109*21'43,776"W
Rig on SLOT#1 CWU 1227-06 (817'FNL & 702'FEL) (RT) to M	4910ft					

Rig on SLOT#1 CWU 1227-06 (817'FNL & 702'FEL) (RT) to Mean Sea Level

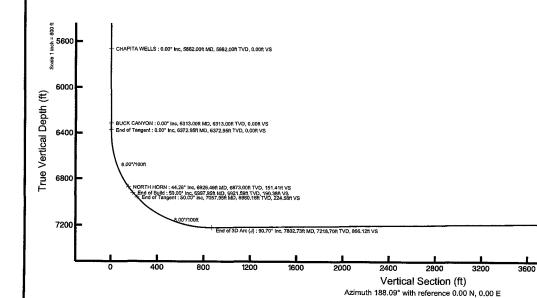
Mean Sea Level to Mud line (Facility: SEC.6-T9S-R23E)

#### Well Profile Data

	-							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	20.00	0.000	230.000	20.00	0.00	0.00	0.00	0.00
End of Tangent	6372.95	0.000	230.000	6372.95	0.00	0.00	0.00	0.00
End of Build	6997.95	50.000	230.000	6921.59	-164.45	-195.98	8.00	190.38
End of Tangent	7057.95	50.000	230.000	6960.16	-193.99	-231.19	0.00	224.58
End of 3D Arc (J)	7802.73	90.700	182.162	7218.70	-805.59	-487.27	8.00	866.12
End of Tangent (J)	11379.27	90.700	182.162	7175.00	-4379.32	-622.20	0.00	4423.30

Tarnets

			10	gets				
Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (USN)	Grid North (USA)	Latitude	Longitude
CWU 1227-06H TARGET (10°FSL & 1330°FEL)	11379,27	7175.00	-4379.32	-622.20	2597719.47	635221.81	40°03'27,951"N	109°21'51,778'W





End of Tangent (J): 90.70° Inc, 11379.27ft MD, 7175.00ft TVD, 4423,30ft VS

4800

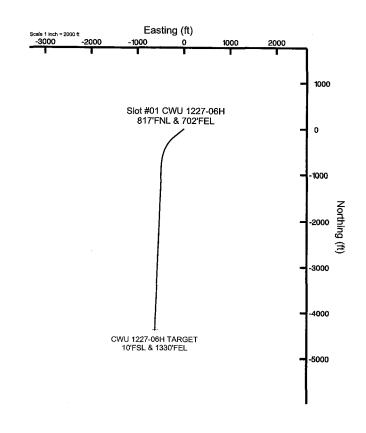
5600

Scale 1 inch = 800 ft

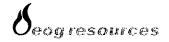
4400

4000









### **Planned Wellpath Report**

CWU 1227-06H PWP Rev-D.0

Page 1 of 6



#### REFERENCE WELLPATH IDENTIFICATION

Operator EOG RESOURCES

Area **UTAH** 

Field

**UINTA COUNTY (EOG NAD 27)** 

Slot

Slot #01 CWU 1227-06H 817'FNL & 702'FEL

Well

CWU 1227-06H

Wellbore

CWU 1227-06H PWB

Facility SEC.6-T9S-R23E

#### REPORT SETUP INFORMATION

**Projection System** 

NAD27 / Lambert Utah State Planes, Central Zone (4302), US

Software System

WellArchitect® 2.0

feet

North Reference

True

User

**Thomsuzc** 

Scale

0.999907

Report Generated

10/14/2008 at 4:28:18 PM

Convergence at slot

1.37° East

Database/Source file Denver/\_CWU\_1227-06H\_PWB.xml

WELLPATH LOCAT	ION						
	Local cod	rdinates	Grid co	ordinates	Geograp	hic	coordinates
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude		Longitude
Slot Location	0.00	0.00	2598236.78	639614.33	40°04'11.230"N	d comme	109°21'43.776"W
Facility Reference Pt			2598236.78	639614.33	40°04'11.230"N	1	109°21'43.776"W
Field Reference Pt			2592966.34	616733.27	40°00'26.390"N	,	109°22'58.520"W

#### WELLPATH DATUM

Calculation method

Minimum curvature

Rig on SLOT#1 CWU 1227-06 (817'FNL & 702'FEL) (RT) to Facility Vertical Datum

4910.00ft

Horizontal Reference Pt Slot

Rig on SLOT#1 CWU 1227-06 (817'FNL &

4910.00ft

Vertical Reference Pt

702'FEL) (RT) to Mean Sea Level Rig on SLOT#1 CWU 1227-06 (817'FNL & 702'FEL) (RT) Facility Vertical Datum to Mud Line (Facility) 0.00ft

MD Reference Pt

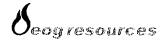
Rig on SLOT#1 CWU 1227-06 (817'FNL & 702'FEL) (RT) Section Origin

N 0.00, E 0.00 ft

Field Vertical Reference Mean Sea Level

Section Azimuth

188.09°



Page 2 of 6



#### REFERENCE WELLPATH IDENTIFICATION

Operator EOG RESOURCES

Area UTAH

Field

**UINTA COUNTY (EOG NAD 27)** 

Slot

Slot #01 CWU 1227-06H 817'FNL & 702'FEL

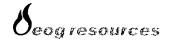
Well CWU 1227-06H

Wellbore CWU 1227-06H PWB

Facility SEC.6-T9S-R23E

WELLPATH DATA (120 stations)	† = interpolated/extrapolated station
------------------------------	---------------------------------------

MD [ft]	Inclination [°]	Azimuth	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]
0.00†	0.000	230.000	0.00	0.00	0.00	0.00	0.00
20.00	0.000	230.000	20.00	0.00	0.00	0.00	0.00
120.00†	0.000	230.000	120.00	0.00	0.00	0.00	0.00
220.00†	0.000	230.000	220.00	0.00	0.00	0.00	0.00
320.00 <del>†</del>	0.000	230.000	320.00	0,00	0.00	0.00	0.00
420.00†	0.000	230.000	420.00	0.00	0.00	0.00	0.00
520.00†	0.000	230.000	520.00	$0.0\overline{0}$	0.00	0.00	0.00
620.00†	0.000	230.000	620.00	0.00	0.00	0.00	0.00
720.00†	0.000	230.000	720.00	0.00	0.00	0.00	0.00
820.00†	0.000	230.000	820.00	0.00	0.00	0.00	0.00
920.00†	0.000	230.000	920.00	0.00	0.00	0.00	0.00
1020.00†	0.000	230.000	1020.00	0.00	0.00	0.00	0.00
1120.00†	0.000	230.000	1120.00	0.00	0.00	0.00	0.00
1220.00†	0.000	230.000	1220.00	0.00	0.00	0.00	0.00
1320,00†	0,000	230.000	1320.00	0.00	0.00	0.00	0.00
1420.00†	0.000	230.000	1420.00	0.00	0.00	0.00	0.00
1520.00†	0.000	230.000	1520.00	0.00	0.00	0.00	0.00
1620.00†	0.000	230.000	1620.00	0.00	0.00	0.00	0.00
1720.00†	0.000	230,000	1720.00	0.00	0.00	0.00	0.00
1820.00†	<b>0.000</b> 0.000	230,000	1820.00	0.00	0.00	0.00	0.00
1920.00† 2020.00†	0.000	230.000 230.000	1920.00 2020.00	0.00	0.00 f 0.00 f	0.00	0.00
2120.00†	0.000	230.000	2120.00	0.00	0.00	0.00	0.00 0.00
2220.00†	0.000	230.000	2220.00	0.00	0.00	0.00	0.00
2320.00†	0,000	230.000	2320.00	0.00	0.00	0.00	0.00
2420.00†	0.000	230.000	2420.00	0.00	0.00	0.00	0.00
2520.00†	0.000	230.000	2520.00	0.00	0.00	0.00	0.00
2620.00†	0.000	230.000	2620.00	0.00	0.00	0.00	0.00
2720.00†	0.000	230.000	2720.00	0.00	0.00	0.00	0.00
2820.00†	0.000	230,000	2820.00	0.00	0.00	0.00	0.00
2920.00†	0.000	230.000	2920.00	0.00	0.00	0.00	0.00
3020.00†	0.000	230.000	3020.00	0.00	0.00	0.00	0.00
3120.00†	0.000	230.000	3120.00	0.00	0.00	0.00	0.00
3220.00†	0.000	230.000	3220.00	0.00	0.00	0.00	0.00
3320.00†	0.000	230,000	3320.00	0.00	0.00	0.00	0.00
3420.00†	0.000	230.000	3420.00	0.00	0.00	0.00	0.00
3520.00†	0.000	230.000	3520.00	0.00	0.00	0.00	0.00
3620.00†	0.000	230.000	3620.00	0.00	0.00	0.00	0.00
3720.00†	0.000	230.000	3720.00	0.00	0.00	0.00	0.00
3820,00†	0.000	230.000	3820.00	0.00	0.00	0.00	0.00
3920.00†	0.000	230.000	3920.00	0.00	0.00	0.00	0.00
4020.00†	0.000	230.000	4020.00	0.00	0.00	0.00	0.00
4120.00†	0.000	230.000	4120.00	0.00	0.00	0.00	0.00
4220.00†	0.000	230.000	4220.00	0.00	0.00	0.00	0.00
4320.00†	0,000	230,000	4320.00	0.00	0.00	0.00	0.00



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#### REFERENCE WELLPATH IDENTIFICATION

Operator **EOG RESOURCES** 

Area UTAH

Field

**UINTA COUNTY (EOG NAD 27)** 

Slot

Slot #01 CWU 1227-06H 817'FNL & 702'FEL

Well CWU 1227-06H

Wellbore CWU 1227-06H PWB

Facility SEC.6-T9S-R23E

TO DELL'ALLE DATA (120 STATIONS)   — INICIPUIATEU/CAN APUNATEU STATION	WELLPATH DATA	(120 stations)	† = interpolated/extrapolated station
--	---------------	----------------	---------------------------------------

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]
4420.00†	0.000	230.000	4420.00	0.00	0.00	0.00	0.00
4520.00†	0.000	230.000	4520.00	0.00	0.00	0.00	0.00
4620.00†	0.000	230.000	4620.00	0.00	0.00	0.00	0.00
4720.00†	0.000	230.000	4720.00	0.00	0.00	0.00	0.00
4820.00†	0.000	230.000	4820,00	0.00	0.00	0.00	0.00
4920.00†	0.000	230.000	4920.00	0.00	0.00	0.00	0.00
5020.00†	0.000	230.000	5020.00	0.00	0.00	0.00	0.00
5120.00†	0.000	230.000	5120.00	0.00	0.00	0.00	0.00
5220.00†	0.000	230.000	5220.00	0.00	0.00	0.00	0.00
5320.00†	0.000	230.000	5320.00	0.00	0.00	0.00	0.00
5420.00†	0.000	230.000	5420.00	0.00	0.00	0.00	0.00
5520.00†	0.000	230.000	5520.00	0.00	0.00	0.00	0.00
5620.00†	0.000	230.000	5620.00	0.00	0.00	0.00	0.00
5720.00†	0.000	230.000	5720.00	0.00	0.00	0.00	0.00
5820.00†	0.000	230,000	5820.00	0.00	0.00	0.00	0.00
5920.00†	0.000	230.000	5920.00	0.00	0.00	0.00	0.00
6020.00†	0.000	230.000	6020.00	0.00	0.00	0.00	0.00
6120.00†	0.000	230.000	6120.00	0.00	0.00	0.00	0.00
6220.00†	0.000	230.000	6220.00	0.00	0.00	0.00	0.00
6320.00†	0.000	230.000	6320.00	0.00	0.00	0.00	0.00
6372.95	0.000	230.000	6372.95	0.00	0.00	0.00	0.00
6420.00†	3.764	230.000	6419.97	1.15	-0.99	-1.18	8.00
6520.00†	11.764	230.000	6518.97	11.19	-9.67	-11.52	8.00
6620.00†	19.764	230.000	6615.13	31.39	-27.12	-32.32	8.00
6720.00†	27.764	230.000	6706.58		-53.00	-63.16	8.00
6820.00†	35.764	230.000	6791.53	100.50	-86.81	-103.46	8.00
6920.00†	43.764	230.000	6868.34	148.06	-127.89	-152.41	8.00
6997.95	50.000	230.000	6921.59	190.38	-164.45	-195.98	8.00
7020.00†	50.000	230.000	6935.76	202.95	-175.30	-208.92	$\widetilde{0}.0\widetilde{0}$
7057.95	50.000	230.000	6960.16	224,58	-193.99	-231.19	0.00
7120.00†	52.663	224.633	6998.94	262.11	-226.84	-266.75	8.00
7220.00†	57.414	216.771	7056.29	331.12	-288.98	-319.98	8.00
7320.00†	62.603	209.735	7106.30	409.47	-361.39	-367.30	8.00
7420.00†	68.113	203.349	7148.02	495.63	-442.67	-407.77	8.00
7520.00†	73.850	197,448	7180.62	587.92	-531.23	-440.61	8.00
7620.00†	79.741	191.885	7203.46	684.56	-625.34	-465.19	8.00
7720.00†	85.722	186.527	7216.12	783.65	-723.18	-481.01	8.00
7802.73	90.700	182.162	7218.70	866.12	-805.59	-487.27	8.00
7820.00†	90.700	182,162	7218.49	883.30	-822.85	-487.92	0.00
7920.00†	90.700	182.162	7217.27	982,76	-922.77	-491.69	0.00
8020.00†	90.700	182.162	7216.05	1082.22	-1022.69	-495.47	0.00
8120.00†	90.700	182.162	7214.83	1181.67	-1122.61	-499.24	0.00
8220.00†	90.700	182.162	7213.60	1281.13	-1222.53	-503.01	0.00
8320.00†	90.700	182,162	7212.38	1380.59	-1322.45	-506.78	0.00
8420,00†	90.700	182.162	7211.16	1480.05	-1422.37	-510,56	0.00



Page 4 of 6



#### REFERENCE WELLPATH IDENTIFICATION

Operator EOG RESOURCES

Area UTAH

Field

**UINTA COUNTY (EOG NAD 27)** 

Slot

Slot #01 CWU 1227-06H 817'FNL & 702'FEL

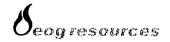
Well CWU 1227-06H

Wellbore CWU 1227-06H PWB

Facility SEC.6-T9S-R23E

WELLPATH DATA (120 stations) † = interpolated/extrapolated station

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	DLS
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[°/100ft]
8520.00†	90.700	182.162	7209.94	1579.51	-1522.30	-514.33	0.00
8620.00†	90.700	182.162	7208.72	1678.97	-1622.22	-518.10	0.00
8720.00†	90.700	182.162	7207.49	1778.43	-1722.14	-521.88	0.00
8820.00†	90.700	182.162	7206.27	1877.88	-1822.06	-525.65	0.00
8920.00†	90.700	182,162	7205.05	1977,34	-1921.98	-529,42	0.00
9020.00†	90.700	182.162	7203.83	2076.80	-2021.90	-533.19	0.00
9120.00†	90.700	182.162	7202.61	2176.26	-2121.82	-536.97	0.00
9220.00†	90.700	182.162	7201.39	2275.72	-2221.75	-540.74	0.00
9320.00†	90.700	182.162	7200.16	2375.18	-2321.67	-544.51	0.00
9420.00†	90,700	182.162	7198.94	2474.64	-2421.59	-548.28	0.00
9520.00†	90.700	182.162	7197.72	2574.09	-2521.51	-552.06	0.00
9620.00†	90.700	182.162	7196.50	2673.55	-2621.43	-555.83	0.00
9720.00†	90.700	182.162	7195.28	2773.01	-2721.35	-559.60	0.00
9820.00†	90.700	182.162	7194.05	2872.47	-2821.27	-563.37	0.00
9920.00†	90.700	182.162	7192.83	2971.93	-2921.19	-567.15	0.00
10020.00†	90.700	182.162	7191.61	3071.39	-3021.12	-570.92	0.00
10120.00†	90.700	182.162	7190.39	3170.84	-3121.04	-574.69	0.00
10220.00†	90.700	182.162	7189.17	3270.30	-3220.96	-578.46	0.00
10320.00†	90.700	182.162	7187.94	3369.76	-3320.88	-582.24	$\widetilde{0.00}$
10420.00†	90.700	182.162	7186.72	3469.22	-3420.80	-586,01	0.00
10520.00†	90.700	182.162	7185.50	3568.68	-3520.72	-589.78	0.00
10620.00†	90.700	182.162	7184.28	3668.14	-3620.64	-593.56	0.00
10720.00†	90.700	182.162	7183.06	3767.60	-3720.57	-597.33	0.00
10820.00†	90.700	182.162	7181.83	3867.05	-3820.49	-601.10	0.00
10920.00†	90.700	182.162	7180.61	3966.51	-3920.41	-604.87	0.00
11020.00†	90.700	182.162	7179.39	4065.97	-4020.33	-608.65	0.00
11120.00†	90.700	182.162	7178.17	4165.43	-4120.25	-612.42	0.00
11220.00†	90.700	182.162	7176.95	4264.89	-4220.17	-616.19	0.00
11320.00†	90.700	182.162	7175.72	4364.35	-4320.09	-619.96	0.00
11379.27	90,700	182.162	7175.00 <sup>1</sup>	4423.30	-4379.32	-622.20	0.00



### **Planned Wellpath Report**

CWU 1227-06H PWP Rev-D.0

Page 5 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator EOG RESOURCES

Area UTAH

**UINTA COUNTY (EOG NAD 27)** 

End MD

Slot

Slot #01 CWU 1227-06H 817'FNL & 702'FEL

Well

CWU 1227-06H

Wellbore

CWU 1227-06H PWB

**TARGETS** 

Field

Name

MD [ft]

TVD [ft]

North East [ft] [ft]

**Grid East** [srv ft]

**Grid North** [srv ft]

Latitude

Longitude

Shape

1) CWU 1227-06H TARGET

Facility SEC.6-T9S-R23E

11379.27 7175.00 -4379.32 -622.20 2597719.47 635221.81 40°03'27.951"N

109°21'51.778"W point

(10'FSL & 1330'FEL)

SURVEY PROGRAM Ref Wellbore: CWU 1227-06H PWB

Positional Uncertainty Model

Ref Wellpath: CWU 1227-06H PWP Rev-D.0 Log Name/Comment

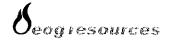
Wellbore

[ft] 20.00

Start MD

[ft] 11379.27 NaviTrak (Standard)

CWU 1227-06H PWB



Page 6 of 6



#### REFERENCE WELLPATH IDENTIFICATION

Operator EOG RESOURCES

Area UTAH

Field

**UINTA COUNTY (EOG NAD 27)** 

Slot

Slot #01 CWU 1227-06H 817'FNL & 702'FEL

Well

CWU 1227-06H

Wellbore

CWU 1227-06H PWB

#### **WELLPATH COMMENTS**

Facility SEC.6-T9S-R23E

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
2033.00	0.000	230.000	2033.00 GREEN RIVER F	M
5011.00	0.000	230.000	5011.00 WASATCH	
5662.00	0.000	230.000	5662.00 CHAPITA WELL	S
6313.00	0.000	230.000	6313.00 BUCK CANYON	
6926.49	44.283	230.000	6873.00 NORTH HORN	



### CWU 1227-06H Horizontal North Horn Test (no pilot hole)

Surface: 817' FNL & 702' FEL; Sec. 6 T9S R23W BHL: 10' FSL & 1330' FEL; Sec. 6 T9S R23W Uintah Co., Utah

#### **Drilling Plan**

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS & ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:

Formation	Depth (ft)	Hydrocarbon/Water Bearing Zones
Green River	2,033' TVD	
Wasatch	5,011' TVD	
Chapita Wells	5,662' TVD	
Buck Canyon	6,313' TVD	
North Horn	6,873' TVD	Gas
MD/TVD (Horizontal)	11,380+/- 300' / 7,175'	Gas
KMV Price River	7,449' TVD	Gas

All shows of fresh water and minerals will be adequately protected and reported.

#### 2. PRESSURE CONTROL EQUIPMENT:

All well control equipment shall be in accordance with Onshore Order #2 for 5M systems.

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram showing size, pressure ratings, testing procedures, and testing frequency.

5000# BOP With 4-1/2" Pipe Rams 5000# BOP With Blind Rams 5000# Annular Auxiliary equipment to be used:

Upper and lower kelly cocks with handle available, dart valve.

The manifold includes appropriate valves and adjustable chokes. The kill line will have one check valve. Ram type preventers will be pressure tested to full working pressure (utilizing a test plug) at:

- Initial installation;
- Whenever any seal subject to test pressure is broken;
- following related repairs;
- at 30 day intervals

The annular preventer will be pressure tested to 50 percent of the rated working pressure. All pressure tests shall be maintained at least ten minutes or until provisions of test are met, whichever is longer.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, but not more than once each day.

A BOPE pit level drill will be conducted weekly for each drilling crew.

All tests and drills will be recorded in the drilling log.

The accumulator will have sufficient capacity to open the HCR valve, close all rams plus the annular preventer, and retain 200 psi above pre-charge pressure without the use of closing unit pumps. The system will have two independent power sources to close the preventers in accordance with 5M system requirements outlined in Onshore Order #2.

Remote controls shall be readily accessible to the driller. Master controls shall be at the accumulator.

#### 3. CASING & CEMENTING PROGRAM:

A. The proposed casing program will be as follows:

Depth, MD	Hole Size	Size	Grade	Weight	Thread	Condition
0 – 60' +	16"	26"	Conductor			
0 - 2,565' +/- 100'	12-1/4"	9-5/8"	J-55	36#	STC	New
0 - 7,802' +/- 100'	8-3/4"	7"	P-110	23#	LTC	New
0 -11,380' +/- 300'	6-1/8"	4-1/2"	P-110	11.6#	LTC	New

After cementing and prior to drilling out from under the casing shoe, all casing strings below the conductor shall be pressure tested to 0.22 psi/ft. of casing string length or 1000 psi, whichever is greater, but not to exceed 70% minimum internal yield.

The bottom three joints of the surface casing will have one centralizer per joint and one centralizer every fourth joint thereafter.

#### B. The proposed cementing program will be as follows:

Surface String: Cement will be circulated to surface. Estimated volume (gauge

hole + 45%):

**Lead:** 320 sx Lite @ 12 ppg, 2.15 ft<sup>3</sup>/sx. **Tail:** 210 sx Premium @ 15.8 ppg, 1.17 ft<sup>3</sup>/sx.

Intermediate String: Estimated volume (gauge hole + 25%):

Objective: Lead to 100' above the Wasatch; Tail to the KOP.

**Lead:** 210 sx Hi Lift @ 11.0 ppg, 3.98 ft<sup>3</sup>/sx. **Tail:** 240 sx 50:50 Poz G @ 14.1 ppg, 1.29 ft<sup>3</sup>/sx.

**Production String:** Estimated volume (gauge hole + 10%):

Objective: Lead (all) to the KOP.

Tail: 500 sx Premium @ 14.1 ppg, 1.28 ft<sup>3</sup>/sx.

Actual volumes will be calculated and adjusted with caliper log prior to cementing. A planned 10% excess will be pumped.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

#### 4. DRILLING FLUIDS PROGRAM:

Interval	Туре	Weight (ppg)	Viscosity	рН	Water Loss	Remarks
0-2,000'	Spud	8.4 -9.0	26-45+	8.0-9.0	NC	Gel & lime as required.
2,500'-7,800'	Polymer	8.4-10.5	26-30	9.0- 10.0	<=6	Wt req'd for stability
7,800'-TD	Polymer	9.0-10.0	34-50	9.0- 10.0	<=10	Minimum weight

Sufficient quantities of mud material will be maintained on site or be readily accessible for the purpose of assuring well control. SPR will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

#### 5. EVALUATION PROGRAM:

**Logs:** MWD GR KOP to lateral TD.

Cased Hole CB/CCL, Pulsed Neutron: KOP to lateral TD.

Cores: None planned.

**DST's:** None anticipated.

The proposed Evaluation Program may change at the discretion of the well site geologist based upon availability or hole conditions.

No stimulation or frac treatment has been formulated at this time. The drill site, as approved, will be of sufficient size to accommodate all completion activities.

Created by Neevia Document Converter trial version http://www.neevia.com

#### 6. ABNORMAL CONDITIONS:

No abnormal pressures or temperatures are anticipated. No hydrogen sulfide has been encountered in or is known to exist from previous wells drilled to similar depths in the general area. CO<sub>2</sub> may be encountered in sufficient volume to contaminate mud.

Anticipated bottom-hole pressures is 3,588psi (7,175'\*0.5psi/ft). MASP is expected to be no greater than 2,870psi (3,588psi –7,175' \*0.1psi/ft gas gradient) not considering surface shoe breakdown pressure.

#### 7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1

Onshore Oil and Gas Order No. 2 - Section E: Special Drilling

**Operations** 

EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).

EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.

EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.

EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).

EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

#### 8. OTHER INFORMATION:

The well will be drilled as a Horizontal North Horn test with no pilot hole. An 8-3/4" hole will be drilled with WBM, and built to horizontal with KOP at +/-6,372' MD/TVD and landed horizontally in the North Horn target at 7,804' MD/7,217' TVD +/- 100'. 7" casing will be set and cemented. A 6 1/8" lateral will be drilled horizontally to programmed TD as indicated on the directional plan. The 6 1/8" lateral will be logged according to evaluation program indicated above. If deemed productive, 4-1/2" casing will be run and cemented.

The anticipated starting date and duration of the operation will be as follows:

Starting Date:

Upon Approval

Duration:

30-40 days

A completion rig will be used for completion operations. All conditions of this approved plan will be applicable during all operations conducted with the completion rig.

Prospective zones will be perforated and tested for productive potential. If the zones exhibit

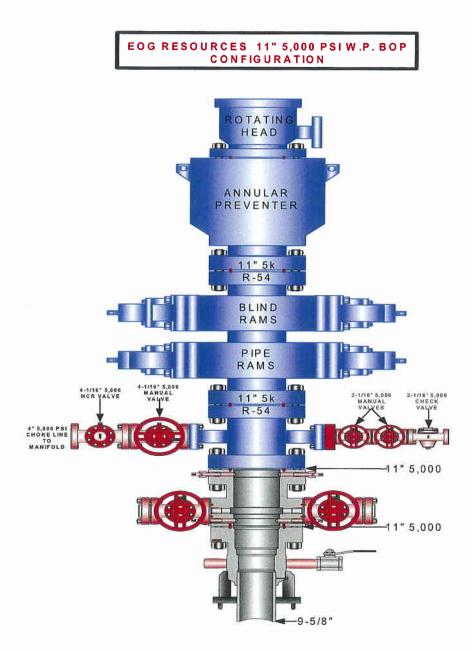
Created by Neevia Document Converter trial version http://www.neevia.com

commercial potential they will be fracture stimulated with a gelled water base fluid and 20/40 sand as a proppant. Fracture stimulation will be designed for the fracture height and length to sufficiently drain the reservoir.

#### 9. <u>Air Drilling Operations:</u>

- 1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

#### **BOP Equipment Diagram**





#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROV	/ED
OMB NO. 1004-	0135
Expires: July 31,	201

5 Lease Serial No.

SUNDRY Do not use thi abandoned wel		UTU01304  6. If Indian, Allottee or	r Tribe Name			
SUBMIT IN TRI		7. If Unit or CA/Agree CHAPTIA WELL	ment, Name and/or No. S			
Type of Well		8. Well Name and No. CHAPITA WELLS	UNIT 1227-06H			
2. Name of Operator EOG RESOURCES, INC.	Contact: MICENZIE_T	ES.COM	9. API Well No. 43-047-38672			
3a. Address 1060 EAST HIGHWAY 40 VERNAL, UT 84078		(include area code I-9145	)	10. Field and Pool, or NATURAL BUT		
4. Location of Well (Footage, Sec., T	, R., M., or Survey Description)				11. County or Parish, a	and State
Sec 6 T9S R23E NENE 817FI 40.06975 N Lat, 109.36284 W					UINTAH COUN	TY, UT
12. CHECK APPE	ROPRIATE BOX(ES) TO IN	NDICATE	NATURE OF	NOTICE, RI	EPORT, OR OTHER	R DATA
TYPE OF SUBMISSION			ТҮРЕ О	F ACTION		
☐ Notice of Intent	☐ Acidize	□ Deep	en	□ Product	ion (Start/Resume)	■ Water Shut-Off
<del></del>	☐ Alter Casing	☐ Fract	ure Treat	□ Reclam	ation	☐ Well Integrity
■ Subsequent Report	☐ Casing Repair	■ New	Construction	☐ Recomp	olete	☑ Other Drilling Operations
☐ Final Abandonment Notice	☐ Change Plans	Plug	and Abandon	□ Tempor	arily Abandon	Diffing Operations
	☐ Convert to Injection	☐ Plug	Back	☐ Water I	Disposal	
13. Describe Proposed or Completed Ope If the proposal is to deepen directions Attach the Bond under which the wor following completion of the involved testing has been completed. Final Abdetermined that the site is ready for fi	illy or recomplete horizontally, give k will be performed or provide the operations. If the operation results andonment Notices shall be filed or nal inspection.)  TD on 2/21/2009. Please see	e subsurface l Bond No. on s in a multiple nly after all r	ocations and meas file with BLM/BIA completion or rec equirements, include	ured and true vo A. Required su ompletion in a s ding reclamatio	ertical depths of all perting bsequent reports shall be new interval, a Form 3160	ent markers and zones. filed within 30 days 0-4 shall be filed once
14. Thereby compy that the foregoing is	Electronic Submission #696		by the BLM We NC., sent to the		System	
Name (Printed/Typed) MICKENZ	IE THACKER		Title OPERA	ATIONS CLE	RK	
Signature	inmission augu ·· )	Date 04/29/2	2009			
	THIS SPACE FOR	FEDERA	L OR STATE	OFFICE U	SE 	
Approved By			Title_			Date
Conditions of approval, if any, are attache certify that the applicant holds legal or equal which would entitle the applicant to condu-	itable title to those rights in the sub ect operations thereon.	oject lease	Office			
Title 18 U.S.C. Section 1001 and Title 43	U.S.C. Section 1212, make it a crim	ne for any per	son knowingly and	d willfully to m	ake to any department or	agency of the United

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

#### WELL CHRONOLOGY REPORT

Report Generated On: 04-28-2009

				Report Ge	enerate	ed On: 04–28–2	009				
Well Name	CW	U 1227–06H		Well Type	Di	EVG		Division		DENVE	₹
Field	CH	APITA DEEP	,	API#	43	-047-38672		Well Clas	ss	COMP	
County, Sta	ite UIN	ITAH, UT	\$	Spud Date	01	-19-2009		Class Da	te		
Tax Credit	N		-	TVD / MD	7,	190/ 11,366		Property	#	059160	
Water Dep	<b>th</b> 0		]	Last CSG	4.:	5		Shoe TV	D / MD	7,182/ 11	,349
KB/GLE	ev 4,90	7/ 4,891									
Location	Sec	tion 6, T9S, R	23E, NENE, 8	17 FNL & 702	FEL						
Event No	1.0		]	Description	DI	RILL & COMPLET	Е				
Operator	EO	G RESOURC	ES, INC	WI %	95	.17		NRI %		77.908	
AFE No		304032		AFE Total		5,877,400		DHC/C	CWC	2,791	,800/ 3,085,600
Rig Contr	TRU	Е	Rig Name	TRUE #	31	Start Date	10-	06-2006	Release	e Date	02-23-2009
10-05-200	)6 Re	ported By	SHA	ARON WHITLO	OCK						
DailyCost		\$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Cost		\$0		•	pletion	\$0			Total	\$0	
MD	0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation		1 1 2	<b>PBTD</b> : 0.0	_		Perf:	v	112 11		epth: 0.0	
		me: LOCAT							TICK	сри . о.о	,
Start	End		ctivity Descri	ntion							
06:00	06:00		•	A (Changed to	l. anima est	-111)					
00:00	00.00			t 702' FEL (NE		•					
			CTION 6, T9S	•	/NE LO	1 1)					
			NTAH COUNT								
		O1.	NIAH COUN	i i, o ian							
		LA	T 40.069750, I	LONG 109.362	839 (NA)	D 83)					
		LA	ат 40.069786, I	LONG 109.362	158 (NA)	D 27)					
		DU	II TADGET: 1	0' FSL & 1330'	PEEI (Q1	W/SE)					
			CTION 6, T9S		TEL (B	w/SE)					
			NTAH COUNT								
		OI.	mar coon	11,01111							
		TR	UE #31								
		OE	BJECTIVE: 717	75° TVD/11,379	MD M	ESAVERDE					
			V/GAS	,							
		CH	IAPITA WELL	S UNIT PROS	PECT						
			&A: CHAPIT								
			TURAL BUT								
		_									
			ASE: U-0130								
		EL	EVATION: 489	91' NAT GL, 48	891' PRE	P GL (DUE TO RO	UNDIN	G THE PRE	EP GL WILL	BE 4891'	) 4907' KB (16')

#### EOG BPO WI 95.170152%, NRI 77.908304% EOG APO WI 55.5827%, NRI 46.061930%

12-15-2008 R	eported By	TERRY C	SERE						
DailyCosts: Drilling	\$0		Completion	\$0		Daily '	Total	\$0	
Cum Costs: Drilling	\$0		Completion	\$0		Well T	`otal	\$0	
<b>MD</b> 0	TVD	0 Prog	ress 0	Days	0	MW	0.0	Visc	0.0
Formation :		<b>PBTD</b> : 0.0		Perf:			PKR Dep	oth: 0.0	
Activity at Report Ti	me: BUILD LO	OCATION							
Start End	Hrs Acti	ivity Description	1						
06:00 06:00	24.0 CON	ISTRUCTION OF	LOCATION STAR	TED TODAY.					
2-16-2008 R	eported By	TERRY C	SERE						
DailyCosts: Drilling	\$0		Completion	\$0		Daily '	Total	\$0	
Cum Costs: Drilling	\$0		Completion	\$0		Well T	otal	\$0	
<b>MD</b> 0	TVD	0 Prog	ress 0	Days	0	MW	0.0	Visc	0.0
Formation :		<b>PBTD</b> : 0.0		Perf:			PKR Dep	oth: 0.0	
Activity at Report Ti	me: BUILD LO	OCATION							
Start End	Hrs Acti	ivity Description	1						
06:00 06:00		HING OUT PIT.							
2-17-2008 R	eported By	TERRY C	SERE						
DailyCosts: Drilling	\$0		Completion	\$0		Daily '	Total	\$0	
Cum Costs: Drilling	\$0		Completion	\$0		Well T	otal	\$0	
<b>MD</b> 0	TVD	0 Prog	ress 0	Days	0	MW	0.0	Visc	0.0
Formation :		<b>PBTD</b> : 0.0		Perf:			PKR De	oth: 0.0	
Activity at Report Ti	me: BUILD LO	OCATION							
Start End		ivity Description	1						
tait Diu	Hrs Acti	wity Description							
06:00 06:00		CKED OUT. DRIL	LING ROCK.	_					
06:00 06:00		• -							
06:00 06:00 12-18-2008 R	24.0 ROC	CKED OUT. DRIL		\$0		Daily '	Total	\$0	
06:00 06:00  2-18-2008 R  DailyCosts: Drilling	24.0 ROC	CKED OUT. DRIL	CSERE	\$0 \$0		Daily Well T		\$0 \$0	
06:00 06:00  2-18-2008 R  Oaily Costs: Drilling  Cum Costs: Drilling	24.0 ROC eported By \$0	CKED OUT. DRIL	CSERE  Completion  Completion		0	=		•	0.0
06:00 06:00  2-18-2008 R  DailyCosts: Drilling Cum Costs: Drilling	24.0 ROC eported By \$0 \$0 TVD	CKED OUT. DRIL	CSERE  Completion  Completion	\$0	0	Well T	Cotal	\$0 Visc	0.0
06:00 06:00  12–18–2008 R  DailyCosts: Drilling Cum Costs: Drilling MD 0  Formation:	24.0 ROC eported By \$0 \$0 TVD	TERRY C  0 Prog PBTD: 0.0	CSERE  Completion  Completion	\$0 Days	0	Well T	Cotal 0.0	\$0 Visc	0.0
06:00 06:00  2-18-2008 R DailyCosts: Drilling Cum Costs: Drilling MD 0  Formation: Activity at Report Ti	24.0 ROC eported By \$0 \$0 TVD me: BUILD LO	TERRY C  0 Prog PBTD: 0.0	Completion Completion gress 0	\$0 Days	0	Well T	Cotal 0.0	\$0 Visc	0.0
2-18-2008 R DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation: Activity at Report Ti	24.0 ROC eported By \$0 \$0 TVD me: BUILD LO Hrs Acti	TERRY C  0 Prog PBTD: 0.0  OCATION	Completion Completion gress 0	\$0 Days	0	Well T	Cotal 0.0	\$0 Visc	0.0
06:00 06:00  12-18-2008 R DailyCosts: Drilling Cum Costs: Drilling MD 0  Formation: Activity at Report Ti Start End 06:00 06:00	24.0 ROC eported By \$0 \$0 TVD me: BUILD LO Hrs Acti	TERRY C  O Prog  PBTD: 0.0  OCATION  ivity Description	Completion Completion gress 0	\$0 Days	0	Well T	Cotal 0.0	\$0 Visc	0.0
06:00 06:00  12–18–2008 R  DailyCosts: Drilling Cum Costs: Drilling MD 0  Formation: Activity at Report Ti Start End 06:00 06:00  12–19–2008 R	24.0 ROC eported By \$0 \$0 TVD me: BUILD LO Hrs Acti 24.0 DRE	TERRY C  Prog PBTD: 0.0  OCATION  ivity Description  LLING ROCK.	Completion Completion gress 0	\$0 Days	0	Well T	0.0 PKR Dep	\$0 Visc	0.0
06:00 06:00  12–18–2008 R  DailyCosts: Drilling  Cum Costs: Drilling  MD 0  Formation:  Activity at Report Ti  Start End  06:00 06:00	24.0 ROC eported By \$0 \$0 TVD  me: BUILD LO Hrs Acti 24.0 DRII eported By	TERRY C  Prog PBTD: 0.0  OCATION  ivity Description  LLING ROCK.	Completion Completion gress 0	\$0  Days  Perf:	0	Well T	Otal  0.0  PKR Dep	\$0 Visc pth: 0.0	0.0
06:00 06:00  12-18-2008 R DailyCosts: Drilling MD 0 Formation: Activity at Report Ti Start End 06:00 06:00  12-19-2008 R DailyCosts: Drilling	24.0 ROC eported By \$0 \$0 TVD  me: BUILD LO Hrs Acti 24.0 DRE eported By \$0	TERRY C  Prog PBTD: 0.0  OCATION  ivity Description  LLING ROCK.	Completion Completion gress  0  Completion Completion Completion Completion	\$0 Days Perf:	0	Well T MW Daily	Otal  0.0  PKR Dep	\$0 Visc pth: 0.0	0.0

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Desc	ription							
06:00	06:00	24.0	SHOOTING TO	DDAY.							
2-22-20	08 R	eported	Ву ЛЕ	ERRY BARNES	TERRY C	SERE					
DailyCost	s: Drilling	\$	\$0	Con	npletion	\$0		Dail	y Total	\$0	
Cum Cos	ts: Drilling	\$	\$0	Con	npletion	\$0		Wel	l Total	\$0	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
ormatio	n:		<b>PBTD</b> : 0	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
ctivity a	t Report Ti	me: SPU	D NOTIFICATION	ON/BUILD LOC	CATION						
tart	End	Hrs	Activity Desc	ription							
06:00	06:00	24.0		STABOUT SERV SURFACE WITH E W/BLM OF T	H READY	MIX. JERRY 1	BARNES N	OTIFIED CA			
2-23-20	08 R	eported :	By TI	ERRY CSERE							
DailyCost	s: Drilling	\$	80	Con	pletion	\$0		Dail	y Total	\$0	
Cum Cos	ts: Drilling	\$	\$0	Con	npletion	\$0		Well	l Total	\$0	
<b>AD</b>	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
ormatio	n :		<b>PBTD</b> : 0	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
ctivity a	t Report Ti	me: BUI	ILD LOCATION								
tart	End	Hrs	Activity Desc	ription							
06:00	06:00	24.0	LOCATION CO	OMPLETE.							
1-01-20	09 Re	ported l	By LI	ES FARNSWOR	TH						
DailyCost	s: Drilling	\$	\$271,599	Con	npletion	\$0		Dail	y Total	\$271,599	
Cum Cost	s: Drilling	\$	\$271,599	Con	pletion	\$0		Well	l Total	\$271,599	
ИD	2,566	TVD	2,566	Progress	0	Days	0	MW	0.0	Visc	0.0
ormation	n :		<b>PBTD</b> : 0	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
ctivity a	t Report Ti	me: WO	RT								
tart	End	Hrs	Activity Desc	ription							
06:00	06:00	24.0	OF 9-5/8", 36.6 CENTRALIZE WITH JOINT # RDMO CRAIG	ED WATER @ 2 0#, J-55, STC C RS SPACED MI 6 60. LAID DOW S RIG.	1100'. FLU ASING W DDLE OF VN JOINT	ID DRILLED ITH HALLIBU SHOE JOINT # 60. LANDEI	HOLE FRO JRTON GU AND EVEI D @ 2560' I	M 2120' WI IDE SHOE A RY COLLAI KB. RAN 20	TH NO LOSS AND FLOAT R TILL GONE 10' OF 1" PIPE	SES. RAN 59 JT COLLAR. 8 E.TAGGED FIL	L @ 2544 KSIDE.

TAILED IN W/ 300 SX (63 BBLS) OF PREMIUM CEMENT. W/ 2 % CACL2 MIXED TAIL CEMENT TO 15.6 W/ YIELD OF1.18 CF/SX. DISPLACED CEMENT W/193 BBLS FRESH WATER. BUMPED PLUG W/ 578# @ 8:18 PM, 12/30/2008. CHECKED FLOAT, FLOAT HELD. SHUT—IN CASING VALVE. BROKE CIRCULATION 120 BBLS INTO FRESH WATER FLUSH. LOST RETURNS AT 35 BBLS INTO TAIL CEMENT. NO CEMENT TO SURFACE.

TOP JOB # 1: PUMP DOWN 200' OF 1" PIPE. MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/ 2 % CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 5 HRS.

TOP JOB # 2: MIXED & PUMPED 150 SX (31 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. HOLE FILLED & STOOD FULL. RDMO HALLIBURTON CEMENTERS.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIGS TOOK SURVEYS AFTER SETTING CASING @  $1400^{\circ} = 1.0$  DEGREE &  $2488^{\circ} = 2.25$  DEGREE.

CONDUCTOR LEVEL RECORD: PS= 89.9 OPS= 89.9 VDS= 90.0 MS= 89.9 9 5/8 CASING LEVEL RECORD: PS= 89.8 OPS= 89.7 VDS= 89.7 MS= 89.8

KYLAN COOK EMAILED NOTIFICATION TO BLM OF THE SURFACE CASING & CEMENT JOB ON 12/23/2008 @ 11:50 AM.

01-18-20	009 Re	eported B	By R.	DYSART							
DailyCost	ts: Drilling	\$3	31,670	Con	pletion	\$0		Daily	Total	\$31,670	
Cum Cos	ım Costs: Drilling \$303,269		Com	pletion	\$0		Well	Total	\$303,269		
MD	2,566	TVD	2,566	Progress	0	Days	0	MW	0.0	Visc	0.0
Formatio	n:		<b>PBTD</b> : 0	.0		Perf:			PKR Dep	<b>pth:</b> 0.0	
Activity a	it Report Tii	me: RUR	Γ								
Start	End	Hrs	Activity Desc	ription							
06:00	17:00		SUBS, PONDE	DB SAFETY MT ROSA CONST. ER UP ROTAR	ON SITE,	CONFIRM W	ELL HEAD	& ROTARY	TABLE LEV		
17:00	06:00	13.0	RURT/ INSTA	LL SPACER SPO	OOL ON V	VELLHEAD					
			RIG UP #2 IND	DEPENDENT M	UD PUMF	(PLUMBING	& CONTR	OL LINES).			
			EST. SPUD TIN	ME: 0600 ON 1/	19/09						
			NO ACCIDENT	TS OR INCIDEN	ITS REPO	RTED, FULL	CREWS				
			SAFETY MTG	S: RIG MOVE &	k RIG UP						
			FUEL: 1100, U	SED 1200.							

#### NIGHTMAN / KELLY SPOONTS

01-19-2009	Re	ported By	R	. DYSART, K. S	POONTS						
DailyCosts: D	rilling	\$89	,629	Con	npletion	\$0		Daily '	Total	\$89,629	
Cum Costs: D	rilling	\$39	2,898	Con	npletion	\$0		Well T	<b>Fotal</b>	\$392,898	
MD	2,670	TVD	2,670	Progress	111	Days	1	MW	8.5	Visc	28.0
Formation :			<b>PBTD</b> : 0	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Re	port Tii	ne: DRILL	ING @ 2670'								
Start En	d	Hrs A	ctivity Desc	ription							
06:00	12:00	6.0 R	URT. TIE IN	INDEPENDEN'	r MUD PU	MP. CEMENT	UP CELL	AR TO TO BO	TTOM OF I	BASE PLATE.	

12:00	18:00	6.0 START DAY WORK @ 1200 HRS ON 01/18/09. TEST BOPE AS PER PROGRAM. NOTIFIED BLM VERNAL OFFICE VIA EMAIL ON 01/17/09 @ 1800 HRS FOR BOP TEST.
		INSIDE BOP, SAFETY VALVE, UPPER/LOWER KELLY COCK 250/5000 PSI 5/10 MIN.
		HCR, CHOKE LINE, KILL LINE, 250/5000 PSI 5/10 MIN.
		CHOKE MANIFOLD, 250/5000 PSI 5/10 MIN.
		PIPE RAMS, BLIND RAMS, 250/5000 PSI 5/10 MIN.
		ANNULAR, 250/2500 PSI 5/10 MIN.
		TEST 9 5/8" CASING TO1500 PSI 30 MIN.
18:00	20:00	2.0 WAIT ON FMC, DELIVERY OF CORRECT WEAR BUSHING
20:00	20:30	0.5 R/U LAY DOWN MACHINE AND HOLD S/M W/LAY DOWN CREW.
20:30	02:00	5.5 P/U DIRECTION TOOLS & BHA.
		TRIP IN HOLE & TAG CEMENT @ 2500'
		RIG DOWN L/D MACHINE
02:00	03:00	1.0 DRILL CEMENT/FLOAT EQUIP. FROM 2500' TO 2559' F/C @ 2515' SHOE @ 2559' (AUTO DRILLER DOWN)
		DRILL 10' RAT HOLE TO 2569'
03:00	03:30	0.5 CIRC HOLE, SPOT HI–VIS LCM PILL ON BOTTOM, PULL BIT INTO SHOE, CONDUCT FIT WITH 8.5 PPG FLUID, 10.7 EMW (290 PSI)
03:30	06:00	2.5 DRILL ROTATE 2569' TO 2670' (101') ROP 40
		WOB 8/16K, RPM 55/65 + 68, GPM 420, PSI 1200
		M/W 8.5, VIS 28 (DRILL PIPE SCREEN IN USE)
		NO ACCIDENT OR INCIDENTS REPORTED, FULL CREWS, CHECK COM
		SAFETY MTGS: TEST BOPE, PICK UP BHA
		FUEL: 8600, RECEIVED 8000
		MUD LOGGER RIGGED UP, DAY 1.

01-20-20	009 R	eported :	<b>By</b> R	. DYSART, K. S	POONTS							
DailyCos	ts: Drilling	\$	374,672	Con	npletion	\$0		Dail	y Total	\$74,672		
Cum Cos	um Costs: Drilling \$467,570		3467,570	Completion		\$0		Well	Total	\$467,570		
MD	3,382	TVD	3,382	Progress	712	Days	2	$\mathbf{M}\mathbf{W}$	11.6	Visc	51.0	
Formatio	n:		PBTD:	0.0 <b>Perf</b> :				PKR Depth: 0.0				
Activity 2	it Report Ti	me: DRI	LLING @ 3382'									
Start	End	Hrs	Activity Desc	cription								
06:00	09:00	3.0	DRILL ROTAT	E 2670' TO 288	4', WOB 8	/16K, RPM 5	5/65 + 68, G	PM 420, PSI	1200			
			M/W 8.5, VIS 2	28 (DRILL PIPE	SCREEN	IN USE).						
09:00	11:00	2.0	TRIP OUT OF SYSTEM, TRI	HOLE FROM 2 P IN HOLE TO		50' (CASIN	G SHOE). LO	OCATE & RE	EPAIR AIR LE	AK ON RIG A	IR	
11:00	11:30	0.5	SERVICE RIG									
11:30	16:00	4.5	DRILL ROTAT	E 2884' TO 323	2' (348') R	OP 77, WOB	16/20K, RP	M 55/65 + 68	, GPM 420, P	SI 1200/1400		
			M/W 8.6, VIS 3	34.								
16:00	18:00	2.0	SURFACE GA FROM 8.6 PPC		'DIVERT	THROUGH	SEPERATO	R, CIRCULA	TE SYSTEM 4	120 GPM, WEI	GHT UP	

SPUD 8 7/8" HOLE W/ROTARY TOOLS @ 03:30 HRS, 1/19/09.

06:00

18:00

20:00

20:00

22:00

2.0 CIRCULATE HOLE & FLARE GAS.

2.0 CIRCULATE & FLARE, WEIGHT UP SYSTEM TO 11 PPG.

22:00	22:30	0.5 DRILL ROTATE 3232' TO 3288', 30'/70' FLARE.
22:30	03:00	4.5 CIRCULATE & FLARE, MUD WEIGHT 11 PPG, 30'/70' FLARE.
03:00	04:00	1.0 SHUT IN WELL. CIRCULATE ON FULL OPEN CHOKE, 100 SPM, 1200 PSI,
04:00	05:00	1.0 LOSS OF RETURNS NO FLARE, OPEN UP WELL, CIRC 62 SPM, 450 PSI, CUT MUD WEIGHT BACK TO 10.5, ADD LCM, REGAIN CIRCULATION.
05:00	06:00	1.0 DRILL ROTATE 3288' TO 3382' (94') ROP 94, WOB 18/20K, RPM 60/65 + 56, 350 GPM, 1850
		10.5, VIS 36 PARTIAL RETURNS

NO ACCIDENT OR INCIDENTS REPORTED, FULL CREWS, CHECK COM SAFETY MTGS: DRILLING, WELL CONTROL, BOP DRILL DAYLIGHTS: 60 SEC FUEL: 7100, USED 1500 BOILER 24 HRS

MUD LOGGER: DAY 2

01-21-20	09 R	eported By	R.	DYSART, K. S	POONTS						
DailyCost	s: Drilling	\$49,409		Completion		\$0		Daily To		\$49,409	
Cum Cost	ts: Drilling	\$51	6,980	Completion		\$0		Well Total		\$516,980	
MD	4,750	TVD	4,749	Progress	1,368	Days	3	MW	10.6	Visc	38.0
Formation	n :		<b>PBTD</b> : 0	.0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: DRILL	ING @ 4750'								
Start	End	Hrs A	ctivity Desc	ription							
06:00	07:30	1.5 D	RILL ROTAT	E 3382' TO 344	6' (64') RO	OP 42					
		W	/OB 16/20K, I	RPM 60/65 + 68	3, GPM 420	), PSI 1700/19	900, MW 10.	.9, VIS 37.			
07:30	08:00	0.5 D	RILL SLIDE	3446' TO 3461'							
08:00	10:30	2.5 R	OTATE F/346	1–3634' (173' @	@ 69.2'/HR	.) 14–18K WO	OB, 50-60 R	PM ROTAR	y, 67 motor,	419 GPM, 160	00-1850 PSI.
		M	IUD WT. 10.8	35 VIS.							
10:30	11:00	0.5 S	LIDE F/3634-	3644' (10' @ 2	0'/HR) 20F	WOB, 10M	TFO, 67 MC	OTOR, 419 G	PM, 1600–180	00 PSI.	
		M	IUD WT. 10.8	35 VIS.							
11:00	13:00	2.0 R	OTATE F/364	4-3825'(181'@	2) 90.5'/HR	.) 14–18K WO	OB, 50–60 R	PM ROTAR	Y, 67 MOTOR,	, 419 GPM, 160	00-1850 PSI.
		M	IUD WT. 10.8	35 VIS.							
13:00	13:30	0.5 S	LIDE F/3825-	3839' (14' @ 2	8'/HR) 20H	X WOB, 5M T	FO, 67 MO	ГОR, 419 GF	PM, 1600-1800	PSI.	
		M	IUD WT. 10.8	35 VIS.							
13:30	14:30	1.0 R	OTATE F/393	9-3920'(81'@	81'/HR) 1	6K WOB, 50-	-60 RPM RC	OTARY, 67 M	IOTOR, 419 G	PM, 1600-185	0 PSI.
		M	IUD WT. 10.8	35 VIS.							
14:30	15:00	0.5 S	LIDE F/3920-	3940' (20' @ 4	0'/HR) 20 <b>k</b>	K WOB, 350M	1 TFO, 67 M	OTOR, 419	GPM, 1600–18	800 PSI.	
		M	IUD WT. 10.8	36 VIS.							
15:00	16:00	1.0 R	OTATE F/394	0-4014' (74' @	74'/HR) 1	6–20K WOB,	50-60 RPM	I ROTARY, 6	7 MOTOR, 41	9 GPM, 1650-	1800 PSI.
		M	TUD WT. 10.8	35 VIS.							
16:00	16:30	0.5 S	LIDE F/4014-	4039' (25' @ 5	0'/HR) 20 <b>F</b>	K WOB, 350M	I TFO, 67 M	OTOR, 419	GPM, 1600–18	800 PSI.	
		M	IUD WT. 10.7	36 VIS.							
16:30	17:00	0.5 S	ERVICE RIG.								
17:00	18:00	1.0 R	OTATE F/403	9-4110'(71'@	71'/HR) 1	6–20K WOB,	50-60 RPM	I ROTARY, 6	7 MOTOR, 41	9 GPM, 1600	1800 PSI.
		M	IUD WT. 10.7	36 VIS.							
18:00	18:30	0.5 SI	LIDE F/4110-	4130' (20' @ 4	0'/HR) 10k	WOB, 30M	TFO, 67 MC	OTOR, 419 G	PM, 1600–180	00 PSI.	
		M	IUD WT. 10.7	36 VIS.							
18:30	19:30	1.0 R	OTATE F/413	0–4205' (75' @	75'/HR) 1	6–18K WOB,	50-60 RPM	I ROTARY, 6	7 MOTOR, 41	9 GPM, 1600-	1800 PSI.
		M	IUD WT. 10.7	36 VIS.							

19:30	20:00	0.5 SLIDE F/4205-4225' (20' @ 40'/HR) 13K WOB, 350M TFO, 67 MOTOR, 419 GPM, 1600-1700 PSI.
		MUD WT. 10.7 36 VIS.
20:00	22:00	2.0 ROTATE F/4225-4299' (74' @ 37'/HR) 16-18K WOB, 50-60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600-1800 PSI.
		MUD WT. 10.7 36 VIS.
22:00	23:00	1.0 SLIDE F/4299-4420' (21' @ 40'/HR) 13K WOB, 30M TFO, 67 MOTOR, 419 GPM, 1600-1700 PSI.
		MUD WT. 10.7 36 VIS.
23:00	00:00	1.0 ROTATE F/4420–4490' (70' @ 70'/HR) 16–18K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.7 36 VIS.
00:00	00:30	0.5 SLIDE F/4490-4511' (21' @ 42'/HR) 13-15K WOB, 350M TFO, 67 MOTOR, 419 GPM, 1600-1700 PSI.
		MUD WT. 10.7 36 VIS.
00:30	01:30	1.0 ROTATE F/4511–4583' (72' @ 72'/HR) 16–18K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.6 38 VIS.
01:30	02:30	1.0 SLIDE F/4583-4603' (20' @ 20'/HR) 13-15K WOB, 30M TFO, 67 MOTOR, 419 GPM, 1600-1700 PSI.
		MUD WT. 10.6 38 VIS.
02:30	04:00	1.5 ROTATE F/4603–4670' (67' @ 44.8/HR) 16–18K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.6 38 VIS.
04:00	05:00	1.0 SLIDE F/4670-4696' (26' @ 26'/HR) 13-15K WOB, 30M TFO, 67 MOTOR, 419 GPM, 1600-1700 PSI.
		MUD WT. 10.6 38 VIS.
05:00	06:00	1.0 ROTATE F/4696–4750' (54' @ 54/HR) 16–18K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.6 38 VIS.
		SAFETY MEETINGS: FALL PROTECTION, 100% TIE OFF.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 5100 GAL. USED TODAY: 2200 GAL.
		BOILER 24 HOURS.
		FORMATION: MAHOGONY OIL SHALE, NO LOSSES, NO FLARE.
		MUD LOGGER: DAY 3

01-22-20	109 Re	eported l	By W	BEARDSLEY	, J SCHLE	NKER					
DailyCos	ts: Drilling	\$	3110,114	Completio		\$0		Dail	y Total	\$110,114	
Cum Cos	ts: Drilling	\$627,094		Completion		\$0		Well	Total	\$627,094	
MD	5,750	TVD	5,749	Progress	1,000	Days	4	MW	10.5	Visc	40.0
Formatio	n:		<b>PBTD</b> : 0	.0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: DRI	LLING @ 5750'							•	
Start	End	Hrs	Activity Desc	ription				÷			
06:00	12:00	6.0	ROTATE/SLID 1800 PSI.	E F/4750−4927	" (177' @ 2	9.5/HR) 10–2	20K WOB, 50	60 RPM R	OTARY, 67 MC	OTOR, 419 GI	PM, 1600-
			SLIDES: 4772-	-4789', 4865–4	871'@350	TO 30 MTF	TOTAL 23'				
			MUD WT. 10.4	38 VIS.							
12:00	12:30	0.5	SERVICE RIG.								
12:30	13:00	0.5	WORK ON PU	MP.							
13:00	06:00	17.0	ROTATE/SLID 1800 PSI.	E F/4927–5750	o' (823' @ 4	8.4/HR) 10-2	20K WOB, 50	−60 RPM R	OTARY, 67 MC	OTOR, 419 GI	PM, 1600-

SLIDES: 4958–4968', 5052–5062', 5148–5158' @ 350 TO 30 MTF, TOTAL 30'

MUD WT. 10.5 40 VIS.

SAFETY MEETINGS: WORKING THE BOARD, 100% TIE OFF.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 2900 GAL. USED TODAY: 2200 GAL.

BOILER 24 HOURS.

FORMATION: WASATCH, NO LOSSES, NO FLARE

MUD LOGGER: DAY 4

01-23-2009	Re	ported By	7	W BEARDSLEY,	J SCHLEN	NKER					
DailyCosts:	Drilling	\$95,	869	Con	pletion	\$0		Daily	Total	\$95,869	
Cum Costs:	Drilling	\$722	2,963	Con	pletion	\$0		Well	Total	\$722,963	
MD	6,373	TVD	6,373	Progress	624	Days	. 5	MW	10.4	Visc	39.0
Formation:			PBTD:	0.0		Perf:			PKR Der	oth: 0.0	

Activity at Report Time: TIH WITH BUILD ASSEMBLY

Start	End	Hrs	Activity Description
06:00	16:00	10.0	DRILL ROTATE 5749'-6341' (592' @ 59.2/HR) WOB 16/20,000, RPM 60 + 67MM, 420 GPM, 18/2000 PSI.
			MW 10.4, VIS 41.
16:00	16:30	0.5	SERVICE RIG.
16:30	17:00	0.5	DRILL ROTATE 6341'-6373' (32' @ 64/HR) SAME PARAMETERS AS ABOVE. MW 10.4, VIS 41.
17:00	17:30	0.5	CIRCULATE FOR TRIP TO CHANGE BHA, PUMP SLUG.
17:30	21:00	3.5	TOOH, HOLE TAKING FLUID, LOST 80 BBLS OF MUD.
21:00	00:30	3.5	PU DIRECTIONAL TOOLS, 8 3/4" BIT - FMHX853Z AND TRIP TO SHOE.
00:30	03:30	3.0	CHANGE OUT KELLY REQUIRED TO RUN DIRECTIONAL TOOLS, RU MDS SENSORS.
03:30	05:00	1.5	TIH TO 4510', ENCOUNTERED TIGHT SPOT, LD 3 JTS, WASH & REAM BACK IN, LOST 60 BBLS OF MUD.
05:00	06:00	1.0	WASH & REAM, BUILD MUD VOLUME.

SAFETY MEETINGS, TRIPPING PIPE & CHANGE OUT KELLY.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 8,800 GAL. USED TODAY: 2,100 GAL.(RECD 8,000 GAL @ \$2.26/GAL)

BOILER 24 HOURS.

FORMATION: BUCK CANYON, NO FLARE

LOST 150 BBLS OF MUD.

MUD LOGGER: DAY 5

01-24-2009	Re	eported By	V	W BEARDSLEY,	J SCHLE	NKER					
DailyCosts: Drilling \$64,286			286	Completion \$0				Daily	Total	\$64,286	
<b>Cum Costs: Drilling</b>		\$787,859		Completion \$0			Well '	<b>Fotal</b>	\$787,859		
MD	6,440	TVD	6,440	Progress	67	Days	6	MW	10.5	Visc	38.0
Formation: PBTD		PBTD:	: 0.0 <b>Perf</b> :					PKR Dep	oth: 0.0		

Activity at Report Time: DRILLING @ 6440'

Start ]	End	Hrs	Activity Description
06:00	06:30	0.5	TRIP IN HOLE WITH CURVE ASS. TO 4858'. TAGGED UP, TIGHT HOLE.
			MUD WT. 10.4 VIS 38.
06:30	07:00	0.5	WASH/REAM F/4858-4967'.
			MUD WT. 10.4, VIS 38.
07:00	07:30	0.5	TRIP IN HOLE F/4967–5772'. TAGGED UP, TIGHT HOLE.
			MUD WT. 10.4 VIS 38.
07:30	08:30	1.0	WASH/REAM F/5772-5881'.
			MUD WT. 10.4 VIS 38.
08:30	09:00	0.5	TRIP IN HOLE TO 6024'.
			MUD WT. 10.4 VIS 38.
09:00	11:00	2.0	WORK TIGHT HOLE @ 5990–6000'. PACKED OFF, WILL NOT CIRCULATE. WORK PIPE, ROLL PUMP. WORK OUT 3 JOINTS, PIPE FREE, REGAIN CIRCULATION.
			MUD WT. 10.4 VIS 38.
11:00	12:00	1.0	CIRCULATE, PUMP HI–VIS SWEEP. NO LARGE CUTTINGS OVER SHAKER.
			MUD WT. 10.4 VIS 38.
12:00	13:30	1.5	CIRCULATE, LAY DOWN 11 JTS WITH KELLY TO 5500', NO TIGHT HOLE.
			MUD WT. 10.4 VIS 38.
13:30	14:30	1.0	PUMP HI-VIS SWEEP.
			MUD WT 10.5 VIS 38.
14:30	15:30	1.0	LAY DOWN 12 JTS WITH BLOCK, PULL 8 STANDS TO 4450', ABOVE FIRST TIGHT HOLE ON TRIP IN. HOLE CLEAN, NO EXCESSIVE OVERPULL.
			MUD WT. 10.5, VIS 38.
15:30	16:00	0.5	TRIP IN HOLE 12 STANDS TO 5581'. NO TIGHT HOLE.
			MUD WT. 10.5 VIS 38.
16:00	19:00	3.0	WASH/REAM F/5581–6373'. CLEAN HOLE TO 6038'. INTERMITTENT SPOTS FROM 2–6' IN LENGTH FROM 6038–6373' REQUIRING SLOWER REAMING TO CLEAN OUT. REAMED ANY TIGHTER SECTIONS 2–3 TIMES.
19:00	19:30	0.5	SERVICE RIG.
19:30	06:00		DRILL (SLIDE & ROTATE) F/6373–6440' (67' @ 6.4'/HR) 8–18K WOB, 225 MTF, 405 GPM, 0–30 RPM ROTARY, 81 RPM MOTOR, 2000–2300 PSI.
			DIFFICULTY SLIDING, HANGING UP. WORKED PIPE, ROTATED TO ATTEMPT TO CLEAN UP.
			ROTATED 6378-6380, 6392-6395', 6403-6411'.
			STARTED LOSING MUD @ APPROX. 2200, 6380–6385'. LOST 200–250 BBL MUD, TRANSFERRED PRE-MIXED MUD, BUILDING VOLUME. RAN MULTIPLE MICA/SAWDUST/NUTPLUG SWEEPS. LOSSES STABILIZED.
			MUD WT. 10.5, VIS 38.
			SAFETY MEETINGS, TRIPPING PIPE, LAST DAY.
			FULL CREWS BOTH TOURS.
			NO INCIDENTS/ACCIDENTS REPORTED.
			COM CHECKED BY BOTH TOURS.
			FUEL ON HAND: 7000 GAL. USED TODAY: 1800 GAL.
			BOILER 24 HOURS.
			FORMATION: BUCK CANYON, NO FLARE
			MUD LOGGER: DAY 6.
01-25-2009	Re	eported B	By W BEARDSLEY, J SCHLENKER

\$0

Completion

**Daily Total** 

\$59,361

DailyCosts: Drilling

\$59,361

Mail	Cum Cos	ts: Drilling	\$847,	,221	Com	pletion	\$0		Wel	l Total	\$847,221	
State   Stat	MD	6,463	TVD	6,462 <b>P</b> 1	rogress	23	Days	7	MW	10.5	Visc	40.0
State	Formation	n:		<b>PBTD</b> : 0.0			Perf:			PKR Dep	oth: 0.0	
14-0	Activity a	t Report Ti	me: TIH									
14-0	Start	End	Hrs Ac	tivity Descript	ion							
HANCING UP BADILY, UNABLE TO SLIDE, PUMP SWEEPS W/BEADS, CAL CARB,MICA, DRILL ZONE, QUICK SLIDE, NUTFLUC, DID NOT HELF CONTINUE TO WORK PIPE, ROCK ROTARY TABLE, ATTEMPT TO SHARK WEIGHT TO BIT, UNABLE TO DETUNE TO WORK PIPE, ROCK ROTARY TABLE, ATTEMPT TO SHARK WEIGHT TO BIT, UNABLE TO DETUNE TO WORK PIPE, ROCK ROTARY TABLE, ATTEMPT TO SHARK WEIGHT TO BIT, UNABLE TO DETUNE TO WORK PIPE, ROCK ROTARY TABLE, ATTEMPT TO SHARK WEIGHT TO BIT, UNABLE TO DETUNE THE PIPE, WEIGHT TO BIT, UNABLE TO DETUNE THE PIPE, WE PUMP HILLING & SCAPE TO WORK PIPE, ROCK ROTARY TABLE, ATTEMPT TO SHARK WEIGHT TO BIT.  22.00			14.0 DR	RILL (SLIDE) F/6	5440–6463'(	23'@1.6	'/HR) 8–28	K WOB, 225	MTF, 405 GI	PM, 0-30 RPM	ROTARY, 81	RPM
21:00			HA SL	ANGING UP BAI IDE, NUTPLUG.	DLY, UNAB . DID NOT I	HELP. CO	NTINUE TO	O WORK PIP				
MID WT 10.5, VIS 41.			MU	UD WT 10.5, VIS	38.							
21:00   02:00   5.0 TRIP OUT OF HOLE FOR BHA CHANGE. NO TIGHT HOLE.   MIDD WT 10.5, VIS 41.	20:00	21:00	1.0 PU	MP HI-VIS SWI	EEP, CIRCU	LATE BO	TTOMS UI	).				
MUD WT 10.5, VIS 41.			MU	JD WT 10.5, VIS	41.							
03:00	21:00	02:00	5.0 TR	IP OUT OF HOL	E FOR BHA	CHANG	E. NO TIG	HT HOLE.				
AGITATOR, LAY DOWN FMHX853Z BIT, PICK UP HCM506Z BIT.			MU	JD WT 10.5, VIS	41.							
03:30 06:00 2.5 TRIP IN HOLE WITH BHA #3.  MUD WT 10.5, VIS 40.  SAFETY MEETINGS: LAST DAY, NEW CREW. FULL CREWS BOTH TOURS.  NO INCIDENTS/ACCIDENTS REPORTED.  COM CHECKED BY BOTH TOURS.  FUEL ON HAND: 3966 GAL. USED TODAY: 3034 GAL.  BOILER 24 HOURS.  FORMATION: BUCK CANYON, NO FLARE. NO MUD LOSSES.  MUD LOGGER: DAY 7.  01—26-2009 REported By BOTH SUCK CANYON, NO FLARE. NO MUD LOSSES.  MUD LOGGER: DAY 7.  01—26-2019 \$002,079 \$002	02:00	03:00								R. MOVE SHO	CK SUB TO T	OP OF
SAFETY MEETINGS: LAST DAY, NEW CREW.   SAFETY MEETINGS: LAST DAY, NEW CREW.   FULL CREWS BOTH TOURS.   NO INCIDENTS/ACCIDENTS REPORTED.   COM CHECKED BY BOTH TOURS.   FUEL ON HAND: 3966 GAL.   USED TODAY: 3034 GAL.   BOILER 24 HOURS.   FUEL ON HAND: 3966 GAL.   USED TODAY: 3034 GAL.   BOILER 24 HOURS.   FORMATION: BUCK CANYON, NO FLATE. NO MUD LOSSES.   MUD LOGGER: DAY 7.   W BEARDSLEY, J SCHLENKER      101-26-2009   Reported   W BEARDSLEY, J SCHLENKER			MU	JD WT 10.5, VIS	41.							
SAFETY MEETINGS: LAST DAY, NEW CREW.   FULL CREW'S BOTH TOURS.   NO INCIDENTS/ACCIDENTS REPORTED.	03:30	06:00	2.5 TR	IP IN HOLE WIT	ГН ВНА #3.							
FULL CREWS BOTH TOURS			MU	UD WT 10.5, VIS	40.							
NO INCIDENTS/ACCIDENTS REPORTED.   COM CHECKED BY BOTH TOURS.   FUEL ON HAND: 3966 GAL.   USED TODAY: 3034 GAL.   BOILER 24 HOURS.   FORMATION: BUCK CANYON, NO FLARE. NO MUD LOSSES.   MUD LOGGER: DAY 7.			SA	FETY MEETING	GS: LAST D	AY, NEW	CREW.					
COM CHECKED BY BOTH TOURS.   FUEL ON HAND: 3966 GAL. USED TODAY: 3034 GAL.   SOURCE   FUEL ON HAND: 3966 GAL. USED TODAY: 3034 GAL.   SOURCE   SO			FU	LL CREWS BOT	TH TOURS.							
FUEL ON HAND: 3966 GAL. USED TODAY: 3034 GAL.   BOILER 24 HOURS.   BOILER 24 HOURS.   BOILER 24 HOURS.   FORMATION: BUCK CANYON, NO FLARE. NO MUD LOSSES.   MUD LOGGER: DAY 7.			NO	INCIDENTS/AC	CCIDENTS	REPORTE	ED.					
BOILER 24 HOURS.   FORMATION: BUCK CANYON, NO FLARE. NO MUD LOSSES.   FORMATION: BUCK CANYON, NO FLARE. NO MUD LOSSES.   FORMATION: BUCK CANYON, NO FLARE. NO MUD LOSSES.   MUD LOGGER: DAY 7.     MUD LOGGER: DAY 7.     MUD WIT 10.5   WEBARDSLEY, J SCHLENKEF    DailyCosts: Drilling			CO	M CHECKED B	Ү ВОТН ТС	URS.						
FORMATION: BUCK CANYON, NO FLATE. NO MUD LOSSES.   MUD LOGGER: DAY 7.			FU	EL ON HAND: 3	3966 GAL.	USED T	ODAY: 303	4 GAL.				
Name			ВО	OILER 24 HOURS	S.							
No content of the c			FO	RMATION: BUC	CK CANYO	N, NO FLA	ARE. NO M	IUD LOSSES				
Daily Costs: Drilling         \$54,578         Completion         \$0         Daily Total         \$54,578           Cum Costs: Drilling         \$902,079         Completion         \$0         Well Total         \$902,079           MD         6,650         TVD         6,648         Progress         187         Days         8         MW         10.5         Visc         40.0           Formation: PBTD: :0.0         Perf:         PKR Depth: 0.0         PKR Depth: 0.0           Activity at Report Time: DRIJLING @ 6650*           Start         PERF : DRIJLING @ 6650*           Start         PUMP NOT PUMPING, HITTING HARD. TEAR DOWN, FUNCTIONED CORRECTLY FOR APPROX. 30 SEC, STARTED HITTING HARD. TORE DOWN AGAIN, REPLACED VALVE & SEAT.           11:00         12:00         1.0         TRIP IN HOLE TO 4718, TAGGED UP.           MUD WT. 10.5, VIS 40.         MUD WT. 10.5, VIS 40.			MU	JD LOGGER: DA	AY 7.							
Cum Costs: Drilling         \$902,079         Completion         \$0         Well Total         \$902,079           MD         6,650         TVD         6,648         Progress         187         Days         8         MW         10.5         Visc         40.0           Formation:         PBTD: 0.0         Perf:         PKR Depth: 0.0           Activity         Description           5.0         ACTIVE DESCRIPTION         PUMP NOT PUMPING, HITTING HARD. TEAR DOWN, FUNCTIONED CORRECTLY FOR APPROX. 30 SEC, STARTED HITTING HARD. TORE DOWN AGAIN, REPLACED VALVE & SEAT.         MUD WT 10.5, VIS 40.           11:00         12:00         1.0         TRIP IN HOLE TO 4718, TAGGED UP.         MUD WT. 10.5, VIS 40.           12:00         13:30         1.5         ATTEMPT TO START WASHING. VALVE STICKING ON #2 PUMP, TEAR DOWN SAME, FOUND PIECE OF METAL BELOW SUCTION VALVE.         MUD WT. 10.5, VIS 40.	01-26-20	09 Re	ported By	W BEA	ARDSLEY, J	SCHLEN	KER					
MD 6,650 TVD 6,648 Progress 187 Days 8 MW 10.5 Visc 40.0  Formation: PBTD: 0.0 Perf: PKR Depth: 0.0  Activity at Report Time: DRILLING @ 6650'  Start End Hrs Activity Description  06:00 11:00 5.0 ATTEMPTED TO FILL PIPE, #2 PUMP NOT PUMPING, HITTING HARD. TEAR DOWN, FUNCTIONED CORRECTLY FOR APPROX. 30 SEC, STARTED HITTING HARD. TORE DOWN AGAIN, REPLACED VALVE & SEAT.  MUD WT 10.5, VIS 40.  11:00 12:00 1.0 TRIP IN HOLE TO 4718, TAGGED UP.  MUD WT. 10.5, VIS 40.  12:00 13:30 1.5 ATTEMPT TO START WASHING. VALVE STICKING ON #2 PUMP, TEAR DOWN SAME, FOUND PIECE OF METAL BELOW SUCTION VALVE.  MUD WT. 10.5, VIS 40.	DailyCost	ts: Drilling	\$54,5	578	Com	pletion	\$0		Dail	y Total	\$54,578	
Formation: PBTD: 0.0 Perf: PKR Depth: 0.0  Activity at Report Time: DRILLING @ 6650'  Start End Hrs Activity Description  06:00 11:00 5.0 ATTEMPTED TO FILL PIPE, #2 PUMP NOT PUMPING, HITTING HARD. TEAR DOWN, FUNCTIONED CORRECTLY FOR APPROX. 30 SEC, STARTED HITTING HARD. TORE DOWN AGAIN, REPLACED VALVE & SEAT.  MUD WT 10.5, VIS 40.  11:00 12:00 10. TRIP IN HOLE TO 4718, TAGGED UP.  MUD WT. 10.5, VIS 40.  12:00 13:30 1.5 ATTEMPT TO START WASHING. VALVE STICKING ON #2 PUMP, TEAR DOWN SAME, FOUND PIECE OF METAL BELOW SUCTION VALVE.  MUD WT. 10.5, VIS 40.	Cum Cost	ts: Drilling	\$902,	,079	Com	pletion	\$0		Wel	l Total	\$902,079	
Activity at Report Time: DRILLING @ 6650'  Start End Hrs Activity Description  06:00 11:00 5.0 ATTEMPTED TO FILL PIPE, #2 PUMP NOT PUMPING, HITTING HARD. TEAR DOWN, FUNCTIONED CORRECTLY FOR APPROX. 30 SEC, STARTED HITTING HARD. TORE DOWN AGAIN, REPLACED VALVE & SEAT.  MUD WT 10.5, VIS 40.  11:00 12:00 13:30 1.5 ATTEMPT TO START WASHING. VALVE STICKING ON #2 PUMP, TEAR DOWN SAME, FOUND PIECE OF METAL BELOW SUCTION VALVE.  MUD WT. 10.5, VIS 40.	MD	6,650	TVD	6,648 <b>P</b> 1	rogress	187	Days	8	MW	10.5	Visc	40.0
Start End Hrs Activity Description  06:00 11:00 5.0 ATTEMPTED TO FILL PIPE, #2 PUMP NOT PUMPING, HITTING HARD. TEAR DOWN, FUNCTIONED CORRECTLY FOR APPROX. 30 SEC, STARTED HITTING HARD. TORE DOWN AGAIN, REPLACED VALVE & SEAT.  MUD WT 10.5, VIS 40.  11:00 12:00 1.0 TRIP IN HOLE TO 4718, TAGGED UP.  MUD WT. 10.5, VIS 40.  12:00 13:30 1.5 ATTEMPT TO START WASHING. VALVE STICKING ON #2 PUMP, TEAR DOWN SAME, FOUND PIECE OF METAL BELOW SUCTION VALVE.  MUD WT. 10.5, VIS 40.	Formation	n:		<b>PBTD</b> : 0.0			Perf:			PKR Dep	oth: 0.0	
11:00 5.0 ATTEMPTED TO FILL PIPE, #2 PUMP NOT PUMPING, HITTING HARD. TEAR DOWN, FUNCTIONED CORRECTLY FOR APPROX. 30 SEC, STARTED HITTING HARD. TORE DOWN AGAIN, REPLACED VALVE & SEAT.  MUD WT 10.5, VIS 40.  11:00 12:00 1.0 TRIP IN HOLE TO 4718, TAGGED UP.  MUD WT. 10.5, VIS 40.  12:00 13:30 1.5 ATTEMPT TO START WASHING. VALVE STICKING ON #2 PUMP, TEAR DOWN SAME, FOUND PIECE OF METAL BELOW SUCTION VALVE.  MUD WT. 10.5, VIS 40.	Activity a	t Report Ti	me: DRILLI	NG @ 6650'						_		
CORRECTLY FOR APPROX. 30 SEC, STARTED HITTING HARD. TORE DOWN AGAIN, REPLACED VALVE & SEAT.  MUD WT 10.5, VIS 40.  11:00 12:00 1.0 TRIP IN HOLE TO 4718, TAGGED UP.  MUD WT. 10.5, VIS 40.  12:00 13:30 1.5 ATTEMPT TO START WASHING. VALVE STICKING ON #2 PUMP, TEAR DOWN SAME, FOUND PIECE OF METAL BELOW SUCTION VALVE.  MUD WT. 10.5, VIS 40.	Start	End	Hrs Ac	tivity Descript	ion							
11:00 12:00 1.0 TRIP IN HOLE TO 4718, TAGGED UP.  MUD WT. 10.5, VIS 40.  12:00 13:30 1.5 ATTEMPT TO START WASHING. VALVE STICKING ON #2 PUMP, TEAR DOWN SAME, FOUND PIECE OF METAL BELOW SUCTION VALVE.  MUD WT. 10.5, VIS 40.	06:00	11:00	CO	RRECTLY FOR								
MUD WT. 10.5, VIS 40.  12:00 13:30 1.5 ATTEMPT TO START WASHING. VALVE STICKING ON #2 PUMP, TEAR DOWN SAME, FOUND PIECE OF METAL BELOW SUCTION VALVE.  MUD WT. 10.5, VIS 40.			MU	JD WT 10.5, VIS	40.							
12:00 13:30 1.5 ATTEMPT TO START WASHING. VALVE STICKING ON #2 PUMP, TEAR DOWN SAME, FOUND PIECE OF METAL BELOW SUCTION VALVE.  MUD WT. 10.5, VIS 40.	11:00	12:00	1.0 TR	IP IN HOLE TO	4718, TAGO	ED UP.						
METAL BELOW SUCTION VALVE. MUD WT. 10.5, VIS 40.			MU	JD WT. 10.5, VIS	S 40.							
	12:00	13:30					E STICKIN	G ON #2 PUI	MP, TEAR D	OWN SAME, I	FOUND PIECI	3 OF
40.00			. MU	JD WT. 10.5, VIS	S 40.							
13:30 14:00 0.5 SERVICE RIG.	13:30	14:00	0.5 SE	RVICE RIG.								

		MUD WT 10.5, VIS 40.
14:00	14:30	0.5 KELLY UP, WASH/REAM F/4698–4742'.
		MUD WT 10.5, VIS 40.
14:30	15:30	1.0 POOH 5 STANDS TO CHECK FOR TIGHT HOLE, NO TIGHT HOLE. LAY DOWN 7 JOINTS TO REAM WITH.
15:30	16:30	1.0 TRIP IN HOLE TO 6203'.
16:30	17:30	1.0 WASH/REAM F/6203', 6473'. NO HARD REAMING, BUT SOME INCREASED TORQUE & LEDGES LAST 40'. SHAKERS HAVE MODERATE AMOUNT OF FINE CUTTINGS COMING ACROSS, SMALL AMOUNT OF LARGER CUTTINGS AND SPLINTERS.
		MUD WT. 10.5, VIS 40.
17:30	06:00	12.5 DRILL (SLIDE & ROTATE) F/6463–6650' (187' @ 15'/HR) 14–16K WOB, 225 MTF, 410 GPM, 0–30 RPM ROTARY, 81 RPM MOTOR, 1950–2300PSI.
		ROTATED 6491-6500', 6523-6532', 6557-6564'.
		MUD WT 10.5, VIS 40.
		SAFETY MEETINGS: WORKING ON PUMPS, LUBRICATING RIG.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 2047 GAL. USED TODAY: 1919 GAL.
		BOILER 24 HOURS.
		FORMATION: BUCK CANYON, NO FLARE. APPROX. 100 BBL MUD LOSSES.
		MUD LOGGER: DAY 8.

01-27-20	109 Re	eported By	W	BEARDSLEY,	J SCHLEN	VKER					
DailyCost	ts: Drilling	\$72,1	76	Con	npletion	\$0		Dai	ly Total	\$72,176	
Cum Cos	ts: Drilling	\$974,	256	Cor	npletion	\$0		Wel	ll Total	\$974,256	
MD	6,880	TVD	6,862	Progress	230	Days	9	$\mathbf{MW}$	10.5	Visc	38.0
Formatio	n:		<b>PBTD</b> : 0	.0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: DRILLI	NG CURVE	@ 6880'							
Start	End	Hrs Ac	tivity Desc	ription							
06:00	16:00		,	& ROTATE) F/ R, 1950–2300F		9' (99' @ 9.9	'/HR) 14-22	K WOB, 0-3	30R GTF, 410 C	GPM, 0−30 RPN	M ROTARY,
		RO	TATED 6652	2-6656'.							
		M	JD WT 10.5,	VIS 40.							
16:00	16:30	0.5 SE	RVICE RIG,	FUNCTION P	IPE RAMS						
		MU	JD WT 10.5,	VIS 40.							
16:30	01:00		ILL (SLIDE TOR, 1950-	,	'(94'@11	.1'/HR) 14-	22K WOB, 0	30 <b>R</b> GTF, ₄	410 GPM, 0-30	RPM ROTARY	Y, 81 RPM
		NC	ROTARY D	RILLING.							
		MU	Љ WT 10.5,	VIS 40.							
01:00	02:00	1.0 CH	ANGE SWA	B & VALVE IN	I #2 PUMP	, SWITCH T	O#1 PUMP,	#1 PUMP D	ISCHARGE F	ROZEN. THAW	/ SAME.
		MU	JD WT 10.5,	VIS 38.							
02:00	06:00		ILL (SLIDE TOR, 1950-	,	(37' @ 9.3	'/HR) 14–22	2K WOB, 0-:	30R GTF, 41	0 GPM, 0-30 F	RPM ROTARY,	81 RPM
		NO	ROTARY D	RILLING.							
		MU	JD WT 10.5,	VIS 38.							

SAFETY MEETINGS: LUBRICATE RIG, 100% TIE OFF.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 4258 GAL RECEIVED: 4000 GAL. USED TODAY: 1789 GAL.

BOILER 24 HOURS.

FORMATION: BUCK CANYON, NO FLARE. APPROX. 200 BBL MUD LOSSES.

MUD LOGGER: DAY 9.

)1-28-200	19 Re	ported By	W BEARDSLEY	, J SCHLEN	IKER					
ailyCosts	: Drilling	\$92,723	Со	mpletion	\$0		Daily	<b>Total</b>	\$92,723	
Cum Cost	s: Drilling	\$1,066,97	9 Co	mpletion	\$0		Well	Total	\$1,066,979	
MD	7,170	TVD	7,031 Progress	290	Days	10	MW	10.5	Visc	40.0
ormation	:	PB	<b>BTD:</b> 0.0		Perf:			PKR Dep	oth: 0.0	
ctivity at	Report Ti	ne: DRILLING @	@ 7170 <b>'</b>							
tart	End	Hrs Activit	ty Description							
06:00	18:00		(SLIDE & ROTATE) I Y, 81 RPM MOTOR, 2		` _	.7'/HR) 14–1	6K WOB, 0-	30R GTF, 410	) GPM, 0-30 RF	M
		ROTAT	E 6906–6909' (3'), 693	38–6947' (9'	), 6969–6972	2'(3'), 7000–	70010' (10').			
		MUD W	VT 10.5, VIS 40.							
18:00	18:30	0.5 SERVIO	CE RIG, FUNCTION I	PIPE RAMS						
		MUD W	VT. 10.5, VIS 40.							
18:30	06:00		(SLIDE & ROTATE) I Y, 81 RPM MOTOR, 2		` _	.0'/HR) 14-1	6K WOB, 20	L-20R GTF,	410 GPM, 0-30	RPM
		ROTAT	E 7032–7042' (10'), 70	061-7068' (7	7'), 7088–712	27' (39').				
		MUD W	VT 10.5, VIS 40.							
		SAFET	Y MEETINGS: WORI	KING ON P	UMP, MSDS	, MAKING C	ONNECTIO	NS.		
		FULL C	CREWS BOTH TOUR	S.						
		NO INC	CIDENTS/ACCIDENT	S REPORTI	ED.					
		COM C	HECKED BY BOTH	TOURS.						
		FUEL C	ON HAND: 5878 GAL	RECEIVED	): 4500 GAL	. USED TO	DAY: 2878 C	GAL.		
		BOILE	R 24 HOURS.							
		FORMA	ATION: NORTH HOR	N, NO FLAI	RE. NO MU	D LOSSES.				
		MUD L	OGGER: DAY 10.							
1-29-200	19 Re	ported By	W BEARDSLEY	, J SCHLEN	IKER					
DailyCosts	: Drilling	\$72,495	Co	mpletion	\$0		Daily	<b>Total</b>	\$72,495	
Cum Cost	s: Drilling	\$1,139,47	5 Co	mpletion	\$0		Well	Total	\$1,139,475	
/ID	7,435	TVD	7,153 <b>Progress</b>	265	Days	11	MW	10.7	Visc	48.0
ormation	:	PB	BTD: 0.0		Perf:			PKR Dep	oth: 0.0	
ctivity at	Report Ti	ne: DRILLING @	@ 7435'							
tart	End	Hrs Activit	ty Description							
06:00	20:00		(SLIDE & ROTATE) I Y, 81 RPM MOTOR, 2			.6'/HR) 14–2	2K WOB, 20	L-60L GTF, 4	410 GPM, 0–30	RPM

 $ROTATE\ 7188-7198'\ (10'),\ 7220-7230'\ (10'),\ 7252-7263'\ (11'),\ 7284-7325'\ (41'),\ 7340-7347'\ (7').$ 

176' TOTAL, 97' SLID, 79' ROTATED.

MUD WT 10.6, VIS 45.

20:00 20:30 0.5 SERVICE RIG.

MUD WT. 10.7. VIS 48.

20:30 06:00 9.5 DRILL (SLIDE & ROTATE) F/7346-7435' (89' @ 9.4'/HR) 14-22K WOB, 20L-60L GTF, 410 GPM, 0-30 RPM

ROTARY, 81 RPM MOTOR, 2200-2500 PSI.

ROTATE 7347-7357' (10'), 7372-7391' (19'), 7410-7415' (5')

89' TOTAL, 55' SLID, 34' ROTATED.

MUD WT 10.7, VIS 48.

SAFETY MEETINGS: JOB DESCRIPTION & RESPONSIBILITY, BOILER SERVICING & SAFETY.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 8194 GAL RECEIVED: 4500 GAL. USED TODAY: 2184 GAL.

**BOILER 24 HOURS.** 

FORMATION: NORTH HORN, NO FLARE. NO MUD LOSSES.

MUD LOGGER: DAY 11.

01-30-20	009 Re	eported By	W	BEARDSLEY,	J SCHLE	VKER					
DailyCos	ts: Drilling	. \$61,59	1	Con	npletion	\$0		Daily	y Total	\$61,591	
Cum Cos	ts: Drilling	\$1,201	,066	Con	npletion	\$0		Well	Total	\$1,201,066	
MD	7,618	TVD	7,210	Progress	183	Days	12	MW	10.7	Visc	48.0
Formatio	n:		PBTD:	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	at Report Ti	me: DRILLIN	G @ 7618'								
Start	End	Hrs Acti	vity Desc	ription							
06:00	18:00		`	& ROTATE) F/ PM MOTOR, 20			/HR) 1427I	K WOB, 20L-	-60L GTF, 38	4 GPM, 030 I	RPM
		ROT	ATE 7441-	7451' (10'), 74	73-7481'(	8'), 7504–75	15' (11')				
		99' 1	OTAL, 70	SLID, 29' ROT	ATED.						
		MUI	OWT 10.7,	VIS 49.							
18:00	18:30	0.5 SER	VICE RIG.								
18:30	06:00		,	& ROTATE) F/ PM MOTOR, 20		` _	/HR) 14-30I	K WOB, 20L-	-60L GTF, 38	4 GPM, 0-30 l	RPM
		ROT	ATE 7534-	7544' (10'), 75:	57-7559' (	2'), 7566–75	76' (10')				
		84'7	OTAL, 62	SLID, 22' ROT	ATED.						
		MUI	O WT 10.7,	VIS 48.							
		SAF	ETY MEE	TINGS: HOUSE	EKEEPINC	, CLEANIN	G RIG.				
		FUL	L CREWS	BOTH TOURS							
		NO I	NCIDENT	S/ACCIDENTS	REPORT	ED.					
		COM	1 СНЕСКЕ	ED BY BOTH T	OURS.						
		FUE	L ON HAN	D: 6177 GAL	USED T	ODAY: 2017	GAL.				
		BOI	LER 24 HC	OURS.							
		FOR	MATION:	NORTH HORN	I, NO FLA	RE. NO MU	D LOSSES.				
		MUI	LOGGE	R: DAY 12.							

01-31-20	09 Re	eported B	sy W	BEARDSLEY,	J SCHLEN	NKER					
DailyCost	ts: Drilling	\$7	9,194	Cor	npletion	\$0		Dai	ly Total	\$79,194	
Cum Cos	ts: Drilling	\$1	,280,261	Cor	npletion	\$0		Wel	ll Total	\$1,280,261	
MD	7,755	TVD	7,238	Progress	137	Days	13	MW	10.7	Visc	52.0
Formatio	n:		<b>PBTD</b> : 0	.0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: DRIL	LING @ 7755'								
Start	End	Hrs	Activity Desc	ription							
06:00	18:00	12.0	DRILL (SLIDE ROTARY, 76–8	& ROTATE) F		, –	'/HR) 18–44I	K WOB, 20I	L-60L GTF, 384	4405 GPM, 0	-30 RPM
			ROTATE 7625-	7640' (15'), 76	58-7669',	(11'), 7691–7	7692'(1')				
			74' TOTAL, 47'	SLID, 27' ROT	TATED.						
			MUD WT 10.7,	VIS 52.							
18:00	18:30	0.5	SERVICE RIG,	FUNCTION P	IPE RAMS	•					
18:30	06:00		DRILL (SLIDE ROTARY, 76–8				'/HR) 18–44I	K WOB, 20I	L-60L GTF, 384	4–405 GPM, 0	-30 RPM
			ROTATE 7692-	7698' (6'), 771	7-7723', (6	5'). 7747–77:	55' (8').				
			63' TOTAL, 43'	SLID, 20' ROT	TATED.						
			MUD WT 10.7,	VIS 52.							
			SAFETY MEE		ER WEATH	IER, PUTTIN	NG PIPE IN N	MOUSEHOI	LE.		
			FULL CREWS	BOTH TOURS							
			NO INCIDENT	S/ACCIDENTS	S REPORT	ED.					
			СОМ СНЕСКЕ	D BY BOTH T	OURS.						
			FUEL ON HAN	ID: 8500 GAL	RECEIVE	D: 4500 GA	L. USED TO	DDAY: 2167	GAL.		
			BOILER 24 HC	URS.							
			FORMATION:	NORTH HORN	, NO FLA	RE. 50 BBL	MUD LOSS	ES.			
			MUD LOGGEF	R: DAY 13.							
02-01-20	009 Re	eported E	By W	BEARDSLEY,	J SCHLEN	NKER					
DailyCos	ts: Drilling	\$5	59,208	Cor	npletion	\$0		Dai	ly Total	\$59,208	
Cum Cos	ts: Drilling	\$1	,339,470	Cor	npletion	\$0		Wel	ll Total	\$1,339,470	
MD	7,770	TVD	7,240	Progress	15	Days	14	MW	10.7	Visc	52.0
Formatio	n:		<b>PBTD</b> : 0	.0		Perf:			PKR Dej	oth: 0.0	
Activity a	t Report Ti	me: WIPI	ER TRIP @ INT	ERMEDIATE (	CSG PT						
Start	End	Hrs	Activity Desc	ription							
06:00	08:30		DRILL (SLIDE GPM, 0-30 RP)	,			•	@ 6.0'/HR)	18-44K WOB	, 10–20L GTF,	384-405
			ROTATE 7755-	7765' (10'), 77	68-7770',	(2').					
			15' TOTAL, 3' S	SLID, 12' ROTA	ATED.						
			MUD WT. 10.7	, VIS 50.							
08:30	11:00	2.5	CIRCULATE &	CONDITION	MUD, PUI	MP HI-VIS S	SWEEP.				
			MUD WT. 10.7	, VIS 50.							
11:00	11:30	0.5	PUMP OUT 3 J	TS W/KELLY	(PRECAU	TIONARY).					
11:30	17:30	6.0	TRIP OUT OF	HOLE SLOWL	Y FOR CA	SING WIPE	R TRIP. LAY	DOWN BA	KER HUGHES	DIRECTION	AL BHA.
17:30	18:00	0.5	SERVICE RIG.								

18:00	19:00	1.0 REPAIR STAND PIPE 4" VALVE.
19:00	22:30	3.5 MAKE UP 8 3/4" INSERT BIT & BIT SUB, MOVE 8 MORE STANDS OF 4 1/2" DRILL PIPE FOR PUSH PIPE. TIH WITH CLEANOUT ASSEMBLY. TAG @ 5644'.
22:30	23:30	1.0 WASH/REAM F/5644–5677', 5700–5747'. LOST RETURNS, PUMP LCM SWEEP, REDUCE PUMP RATE.
23:30	04:00	4.5 REGAINED RETURNS. LOST 250–300 BBL MUD. BUILD VOLUME, CIRCULATE, PUMP LCM SWEEPS.
04:00	04:30	0.5 TRIP IN HOLE TO 6301', NO TIGHT HOLE.
04:30	06:00	1.5 BUILD VOLUME BEFORE RUNNING INTO CURVE. LOSSES STABILIZED.
		MUD WT 10.7, VIS 52.
		SAFETY MEETINGS: SLIPS & TRIPS, MIXING LCM.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 7059 GAL USED TODAY: 1441 GAL.
		BOILER 24 HOURS.
		FORMATION: NORTH HORN, NO FLARE. 300 BBL MUD LOSSES.

02-02-2009	Re	ported By		W BEARDSLEY,	NKER						
DailyCosts: Drilling \$59,031		Completion \$0		Daily Total			\$59,031				
Cum Costs: 1	Orilling	\$1,3	98,502	Com	pletion	\$0		Well '	Total	\$1,398,502	
MD	7,770	TVD	7,240	Progress	0	Days	15	MW	10.7	Visc	52.0
Formation: PBTD			0.0		Perf:			PKR Dep	oth: 0.0		

MUD LOGGER: DAY 14.

Formation:			<b>PBTD</b> : 0.0	Perf:	PKR Depth: 0.0
Activity a	t Report Ti	me: LD [	OP .		
Start	End	Hrs	<b>Activity Description</b>		
06:00	07:00	1.0	TRIP IN HOLE WITH CLEA	ANOUT ASSEMBLY, TAG @ 6760'.	
			MUD WT. 10.7. VIS 55.		
07:00	08:00	1.0	WASH/REAM F/6740-6878	'. (APPEARS TO BE LEDGES)	
			MUD WT. 10.7 VIS 55.		
08:00	09:30	1.5	CONT. TIH TO 6941'.		
			MUD WT 10.7 VIS 55.		
09:30	12:00	2.5	WASH/REAM F/6941-7194	'. (APPEARS TO BE LEDGES)	
			MUD WT 10.7, VIS 55.		
12:00	12:30	0.5	CIRCULATE, PUMP SWEE	P.	
			MUD WT. 10.7, VIS 56.		
12:30	13:00	0.5	LAY DOWN 2 STANDS OF	DRILL PIPE IN MOUSEHOLE.	
			MUD WT. 10.7, VIS 56.		
13:00	14:30	1.5	WASH/REAM F/7194-7379	'. (APPEARS TO BE LEDGES)	
			MUD WT. 10.7, VIS 56.		
14:30	15:00	0.5	LAY DOWN 2 STANDS OF	DRILL PIPE IN MOUSEHOLE.	
			LAY DOWN 2 STANDS OF	DRILL PIPE.	
			MUD WT. 10.7, VIS 56.		
15:00	17:30	2.5	WASH/REAM F/7379-7568	'. (APPEARS TO BE LEDGES)	
			LAY DOWN 2 STANDS OF	DRILL PIPE.	
			MUD WT. 10.7, VIS 56.		
17:30	18:00	0.5	LAY DOWN LAST STAND	OF DRILL PIPE IN MOUSEHOLE.	

		LAY DOWN 2 STANDS OF DRILL PIPE.
		MUD WT. 10.7, VIS 56.
18:00	19:30	1.5 WASH/REAM F/7568 TO CASING POINT DEPTH OF 7770. (APPEARS TO BE LEDGES)PICKED UP 4 JOINTS TO REACH BOTTOM. DID NOT SEE ANY SIGNIFICANT AMOUNTS OF SHALE OR OTHER FILL OVER SHAKER DURING REAMING OPERTIONS.
		MUD WT. 10.7 VIS 56.
19:30	21:00	1.5 PUMP HI-VIS SWEEP, CIRCULATE, MIX PILL.
		MUD WT. 10.7, VIS 53
21:00	22:00	1.0 PUMP OUT 1ST THREE JOINTS WITH KELLY.
		MUD WT. 10.7 VIS 54.
22:00	00:30	2.5 WIPER TRIP 15 STANDS TO ABOVE K/O POINT, TIGHT @ 7240', 6747' ON TRIP OUT, NO TIGHT HOLE ON TRIP IN. NO FILL.
		MUD WT. 10.7 VIS 52.
00:30	03:30	3.0 PUMP SWEEP, CIRC UNTIL SHAKERS CLEAN. SPOT BEAD PILL, PUMP SLUG.
		MUD WT. 10.7, VIS 52.
03:30	05:00	1.5 STAND BACK 15 STANDS TO 6340'. TIGHT @ 7180, 6994'. WORK THROUGH TIGHT SPOTS, CLEANED UP.
		MUD WT. 10.7, VIS 52.
05:00	06:00	1.0 HOLD PRE–JOB SAFETY MEETING W/WEATHERFORD LAYDOWN CREW & RIG CREW. RIG UP LAYDOWN CREW, WORK PIPE.
		MUD WT. 10.7, VIS 52.
		SAFETY MEETINGS: PULLING TIGHT HOLE, LAYING DOWN DRILL PIPE.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 8560 GAL RECEIVED: APPROX. 3000 GAL USED TODAY: 1500 GAL.
		BOILER 24 HOURS.
		FORMATION: NORTH HORN, NO FLARE. 60BBL MUD LOSSES.
		MUD LOGGER: DAY 15.

02-03-2009	Re	eported By	W BEARDSLEY,	, J SCHLEN	NKER					
DailyCosts:	Drilling	\$265,143	Cor	npletion	\$0		Daily	Total	\$265,143	
Cum Costs:	Drilling	\$1,663,646	Cor	npletion	\$0		Well 7	<b>Fotal</b>	\$1,663,646	
MD	7,770	TVD	,240 Progress	0	Days	16	$\mathbf{M}\mathbf{W}$	9.8	Visc	52.0
Formation :		PB'	Γ <b>D</b> : 0.0		Perf:			PKR Der	oth: 0.0	

Activity at Report Time: CEMENTING INTERMEDIATE CASING

Start	End	Hrs	Activity Description
06:00	12:00	6.0	LAY DOWN 4 1/2" DRILL PIPE, BHA, BREAK KELLY. MUD WT. 10.7, VIS 52.
12:00	12:30	0.5	TRIP IN HOLE WITH 15 STANDS IN DERRICK. MUD WT. 10.7, VIS. 52.
12:30	13:30	1.0	LAY DOWN LAST 45 JOINTS OF 4 1/2" DRILL PIPE. MUD WT. 10.7, VIS 52.
13:30	15:30	2.0	HOLD PRE–JOB SAFETY MEETING WITH WEATHERFORD TRS & RIG CREW. RIG UP CASERS AND FILL TOOL.
15:30	22:00	6.5	RUN INTERMEDIATE CASING, 7" 23# HC P $-110$ . HIT TIGHT SPOT @ 7518'. FILL AFTER FIRST 10 JOINTS, EVERY 20 JOINTS TO KOP @ 6373', THEN EVERY JOINT.
22:00	22:30	0.5	BREAK CIRCULATION, PARTIAL RETURNS. RECIPROCATE CASING, WORK THROUGH TIGHT HOLE.

22:30	02:00	3.5 FINISH RUNNING 181 JOINTS OF 7" 23# P-110 INTERMEDIATE CASING AS FOLLOWS: FLOAT SHOE, 1 JOINT CASING, FLOAT COLLAR, 31 JOINTS CASING, MARKER JOINT, 40 JOINTS CASING, MARKER JOINT, 109 JOINTS CASING, CASING HANGER, LANDING JOINT. LAND W/100,000 INDICATED WT (W/O BLOCK) AT 7768.40. FLOAT SHOE @ 7768', FLOAT COLLAR @ 7722'. MARKER #1 6385-6405', MARKER #2 4658-4679'. CASING EQUIPPED WITH 40 RIGID CENTRALIZERS WITH LOCK RINGS, 2 PER JOINT FIRST 10 JOINTS, 1 PER JOINT NEXT 10 JOINT. THEN 24 FLOATING TURBULATORS, EVERY OTHER JOINT FIRST 23, THEN #24 AT 9 5/8" CASING SHOE.
02:00	03:00	1.0 RECIPROCATE CASING, CIRCULATE WITH PARTIAL RETURNS. PICKUP APPROX. 180–200K#, SLACKOFF 107–110K#. LAND WITH 110,000 LB. INDICATED WT, 100,000 W/O BLOCK.
03:00	03:30	0.5 KILL PUMP, LAND FLUTED HANGER WITH 100,000 LB INDICATED WT W/O BLOCK.
03:30	05:00	1.5 RIG DOWN WEATHERFORD CASERS. HOLD PRE-JOB SAFETY MEETING WITH SCHLUMBERGER CEMENTERS AND RIG CREW. RIG UP CEMENTERS.
05:00	06:00	1.0 BEGIN CEMENTING INTERMEDIATE CASING, CEMENT DETAILS TO FOLLOW ON NEXT REPORT. BEGIN CUTTING MUD WT IN MUD TANKS BACK TO 9.0 LB.
		MUD WT. 9.8, VIS 40.
		SAFETY MEETINGS: LAYING DOWN PIPE, RUNNING CASING, CEMENTING.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 7400 GAL USED TODAY: 1160 GAL.
		BOILER 24 HOURS.
		FORMATION: NORTH HORN, NO FLARE. 150 BBL MUD LOSSES.

			MUD LOGG	ER: DAY 16.							
02-04-20	09 R	eported	Ву	W BEARDSLEY	, J SCHLEN	NKER				<del></del>	
DailyCosts: Drilling \$142,932		Completion		\$0		Daily	Total	\$142,932			
Cum Costs: Drilling		:	\$1,806,578	,578 <b>Con</b>		\$0		Well '	Well Total		
MD	7,770	TVD	7,240	Progress	0	Days	17	MW	9.0	Visc	40.0
Formation: PBTD: 0.0			0.0		Perf:			PKR De	<b>pth:</b> 0.0		
Activity a	t Report Ti	ime: PU	DP								
Start	End	Hrs	Activity De	scription							

Formatio	n:		<b>PBTD</b> : 0.0	Perf:	PKR Depth: 0.0
Activity a	t Report Ti	me: PU I	OP .		
Start	End	Hrs	Activity Description		
06:00	07:30	1.5	(550 SX, 962.5 CU FT) 13.0 P D020 EXTENDER, 2% D174 RETARDER, AND .125 LB/S 50 POZ/G TAIL CEMENT(1.2 ANTIFOAM, 2% D167 FLUI SHUT DOWN AND WASH U	PG 35:65 POZ/G LEAD CEMENT EXPANDING CE, .75% D112 FLU K D130 LCM. DROP BOTTOM PI 19 CU FT/SK, 5.985 GAL SK MIX D LOSS, AND .2% D065 DISPER P TO PITS. DROP TOP PLUG. DI	00 PSI. PUMP 50 BBL MUD PUSH. PUMP 171 BBL (1.75CU FT/SK, 9.178 GAL/SK MIX WATER) W/4% JID LOSS, .2% D046 ANTIFOAM, .25% D013 .UG. PUMP 80 BBL (345 SX, 445 CU FT) 14.1 PPG 50: WATER) W/2% D020 EXTENDER, .1% D046 SANT.  SPLACE W/MUD @ 8 BBL/MIN, SLOW TO 4 BBL URNS THROUGHOUT. BUMPED PLUG W/303.5 BBL
			•	TED DISPLACEMENT. FINAL P	JMP PRESSURE 1289 PSI, BUMP TO 1781PSI. HOLD
07:30	08:30	1.0	WAIT ON CEMENT, RIG DO	WN SCHLUMBERGER.	
08:30	10:00	1.5	BACK OFF LANDING JOINT	r, SET DTO SEAL, TEST TO 5000	PSI.
10:00	15:30	5.5			NG TOOLS. PICK UP TOOLS FOR 4" PIPE. CHANGE IO 5 1/2" IN #1 PUMP, 5" IN #2 PUMP.

15:30	22:00	6.5 SAFETY MEETING/RIG UP B&C QUICKTEST. TEST BOP AS FOLLOWS: TEST INSIDE BOP, SAFETY VALVE, UPPER/LOWER KELLY COCK. TO 250 PSI/5 MIN, 5000 PSI/10 MIN. TEST HCR, CHOKE LINE, KILL LINE, 250 PSI/5 MIN, 5000 PSI/10 MIN. TEST CHOKE MANIFOLD, 250 PSI/5 MIN, 5000 PSI/10 MIN.
		TEST PIPE RAMS, BLIND RAMS, 250/5 MIN 5000 PSI/10 MIN. TEST ANNULAR TO 250 PSI/5 MIN, 2500 PSI/10 MIN. TEST 9 5/8" CASING TO1500 PSI 30 MIN. INSTALL WEAR BUSHING.
22:00	22:30	0.5 FINISH MOVING, STRAPPING 4" PIPE & HWDP.
22:30	00:30	2.0 SLIP & CUT 100' DRILL LINE.
00:30	01:00	0.5 INSTALL WEAR BUSHING.
01:00	05:00	4.0 PICK UP BAKER HUGHES AUTO-TRAK BHA & TEST SAME.
05:00	06:00	1.0 HOLD PRE–JOB SAFETY MEETING WITH CALIBER LAYDOWN TRUCK AND RIG CREW, RIG UP LAYDOWN TRUCK.
		SAFETY MEETINGS: PRESSURE TESTING, PICKING UP BHA.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 8990 GAL RECEIVED: 3300 USED TODAY: 1710 GAL.

MUD LOGGER: DAY 17. R. DYSART, K. SPOONTZ 02-05-2009 Reported By DailyCosts: Drilling \$60,245 Completion \$0 **Daily Total** \$60,245 \$1,866,823 **Cum Costs: Drilling** \$1,866,823 Completion \$0 Well Total TVD 7,240 37.0 7,770 18 MWVisc MD **Progress** Days Perf: PKR Depth: 0.0 **PBTD**: 0.0 Formation:

(OWED 1200 GALLON CREDIT BY WESTERN PETROLEUM, COULD NOT GET ENTIRE 4500 GAL

Activity at Report Time: TIH W/ROTARY STEERABLE BHA

LOAD OF FUEL IN TANK) BOILER 24 HOURS.

FORMATION: NORTH HORN, NO FLARE.

Activity a	t Report Ti	me: TIH	W/ROTARY STEERABLE BHA
Start	End	Hrs	Activity Description
06:00	10:30	4.5	PICK UP & TRIP IN HOLE 4" D.P. TO 2100'
10:30	11:30	1.0	FILL UP STRING, ATTEMPT TO TEST AUTOTRACK TOOL, TOOL PULSING, UNABLE TO DECODE
11:30	13:30	2.0	PICK UP & TRIP IN HOLE 4" D.P. FROM 2100' TO 4100'
13:30	14:00	0.5	FILL UP STRING, ATTEMPT TO TEST AUTOTRACK TOOL, TOOL PULSING, UNABLE TO DECODE
14:00	18:00	4.0	PICK UP & TRIP IN HOLE 4" D.P. FROM 4100' TO TOP OF CEMENT 7718'
18:00	20:00	2.0	CIRCULATE & BRING WEIGHT TO AN 8.8 PPG IN AND OUT. RECIPITATE PIPE, MTR TURNING 33 RPM.
20:00	23:30	3.5	TRIP OUT OF HOLE FOR MWD FAILURE.
23:30	01:00	1.5	CALIBRATE MWD TOOL.
01:00	03:30	2.5	TRIP IN HOLE TO 2300'.
03:30	04:00	0.5	PERFORM SURFACE TEST ON MWD TOOL. (TEST GOOD)
04:00	06:00	2.0	TRIP IN HOLE FROM 2300' TO 5100'
			M/W 8.9, VIS 37.
			NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM
			SAFETY MEETINGS: TRIPS, TOOL CALIBRATION
			FUEL: 7925, USED 1065
			BOILER 24 HOURS.

MITTO	LOGGER:	DAV	10
IVI U.D	LUUUUEK:	DAY	10

02-06-2009	Re	eported By	:	R. DYSART, K. S	POONTS						
DailyCosts: Dril	lling	\$159	,332	Con	npletion	\$0		Daily	Total	\$159,332	
Cum Costs: Dri	lling	\$2,02	26,341	Con	npletion	\$0		Well 7	lotal (	\$2,026,341	•
<b>MD</b> 7,9	992	TVD	7,247	Progress	222	Days	19	MW	8.8	Visc	38.0
Formation:			PBTD:	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report Time: DRILLING @ 7		NG @ 7992	2'								

Start	End	Hrs	Activity Description
06:00	07:30	1.5	TRIP IN HOLE FROM 5100' TO 7723'
07:30	09:30	2.0	DRILL CEMENT/FLOAT EQUIP. 7722' TO 7763'
09:30	12:00	2.5	THAW OUT LINES ON AUTO TRAC SYSTEM BPA MANIFOLD, CHANGE OUT BPA MANIFOLD
12:00	12:30	0.5	DRILL CEMENT/FLOAT EQUIP. 7763' TO 7770'
12:30	18:30	6.0	DRILL SLIDE 7770' TO 7875' (105' @ 17.6'/HR) 7–10K WOB, 210–220 GPM, 0 RPM ROTARY, 45–50 RPM MOTOR, 1100–1200 PSI. MW 8.8 VIS 37.
18:30	05:00	10.5	$ \begin{array}{l} \text{DRILL ROTATE 7875'TO 7992' (117') ROP 11 (7247' TVD), 7-15K WOB, 210-220 GPM, 28-60 RPM ROTARY, 45-50 RPM MOTOR, 1100-1200 PSI. MW 8.8 VIS 37. } \end{array} $
05:00	06:00	1.0	AUTO TRAC STEERING HEAD MALFUNCTION, DIAGNOSING PROBLEM.

#1 INCIDENT REPORTED. CHECK COM (WILL ATTEMPT TO DRILL SHORT SECTION BLIND)
SAFETY MEETINGS: HIGH PRESSURE LINES, CHECKING FOR FLOW
FUEL: 6340, USED 1585

BOILER 24 HOURS.

MUD LOGGER: DAY 19.

02-07-2009	Re	eported By	R.	DYSART, K. S	POONTS						
DailyCosts: I	Prilling	\$91,67	72	Con	pletion	\$0		Daily	Total	\$91,672	
Cum Costs: I	Prilling	\$2,118	3,231	Con	pletion	\$0		Well T	Total	\$2,118,231	
MD	8,155	TVD	7,243	Progress	163	Days	20	MW	8.9	Visc	40.0
Formation:			<b>PBTD</b> : 0	.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: DRILLING @ 8155'

Start	End	Hrs	Activity Description
06:00	06:30	0.5	DRILL ROTATE 7992' TO 7997' (5')
			DRILL BLIND, ATTEMPT TO CORRECT STEERING HEAD-BCPM PROBLEM
06:30	10:30	4.0	PUMP PILL, BLOW DOWN KELLY, TRIP OUT OF HOLE FOR DIRECTIONAL ASSY CHANGE OUT.
10:30	13:00	2.5	L/D DIRECTIONAL ROTARY STEERABLE BHA.
			(SHORT LOCATED IN MUD MOTOR.)
13:00	15:00	2.0	P/U DIRECTIONAL ASSY. TRIP IN HOLE TO 3200'
			TEST MWD, OK
15:00	18:00	3.0	TRIP IN HOLE FROM 3200' TO SHOE (7768') FILL STRING. TAG BTTM AT 7997' AND COMMENCE DRILLING.
18:00	19:30	1.5	DRILL R 7997' TO 8002', S/ 8002' TO 8009' (12') ROP 8
			7-15 K WOB, 210-220  GPM, 28-60  RPM ROTARY, 45-50  RPM MOTOR, 1100-1200  PSI.
			MW 8.9 VIS 37.
19:30	20:00	0.5	SERVICE RIG
20:00	06:00	10.0	DRILL 8009' TO 8155' (146') ROP 14.6 (7243' TVD)

DRILL R/ 8009' TO 8034', S/8034' TO 8042' R/ 8042' TO 8066', S/ 8066' TO 8076', R/ 8076' TO 8098' ,S/8098' TO 8108', R/ 8108' TO 8133', S/ 8133' TO 8138', R/ 8138' TO 8155'

7–15K WOB, 210–220 GPM, 28–60 RPM ROTARY, 45–55 RPM MOTOR, 1100–1200 PSI.

MW 8.9 VIS 39.

NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM

SAFETY MEETINGS: TRIP GAS, PPE

FUEL: 4800, USED 1540

**BOILER 24 HOURS.** 

MUD LOGGER: DAY 20.

02-08-20	009 R	eported By	R. DYSART, K. S	SPOONTS						
DailyCos	ts: Drilling	\$39,056	Cor	mpletion	\$0		Daily	y Total	\$39,056	
Cum Cos	ts: Drilling	\$2,157,563	Cor	mpletion	\$0		Well	Total	\$2,157,563	
MD	8,442	<b>TVD</b> 7,2	46 Progress	287	Days	21	MW	8.9	Visc	39.0
Formatio	n:	PBTI	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	ıt Report Ti	me: DRILLING @ 8	442'							
Start	End	Hrs Activity I	Description							
06:00	19:00	13.0 DRILL 81 1300-1500	55' TO 8337' (182' PSI.	) ROP 14.0	7–15K WOI	3, 210–250 G	PM, 28–60 I	RPM ROTAR	Y, 45–55 RPM M	IOTOR,
		MW 8.9 V	IS 35.							
		SLIDE DE	PTHS:							
		8272' TO 8	287', 8305' TO 831	2',						
19:00	19:30	0.5 SERVICE								
19:30	06:00		TATE 8337' TO 844 300–1500 PSI.	42' (105') R	OP 10 7-15I	C WOB, 210-	-250 GPM, 2	8–60 RPM R	OTARY, 45–55 I	RPM
		MW 8.9 V	IS 39.							
		NO INCID	ENTS/ACCIDENT	S REPORT	ED. CHECK	СОМ				
		SAFETY N	MEETINGS: CREW	CHANGE	X 2					
		FUEL: 310	0, USED 1700							
		BOILER 2	4 HOURS.							
			GGER: DAY 21.							
		MW 8.9 V	IS 36.							
)2-09-20	009 R	eported By	R. DYSART, K. S	SPOONTS						
DailyCos	ts: Drilling	\$49,337	Con	mpletion	\$0		Daily	y Total	\$49,337	
Cum Cos	ts: Drilling	\$2,207,223	Con	mpletion	\$0		Well	Total	\$2,207,223	
MD	8,630	<b>TVD</b> 7,2	45 Progress	188	Days	22	MW	8.9	Visc	40.0
Formatio	n:	PBTI	<b>):</b> 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	it Report Ti	me: DRILLING @ 8	630'							
Start	End	Hrs Activity I	Description							
06:00	06:30	0.5 DRILL RO	TATE 8442' TO 844	48' (6')						
06:30	10:00	3.5 TRIP OUT	OF HOLE FOR BI	T #6						
10:00	13:30	3.5 TRIP IN H	OLE WITH BIT #7	TO 8448'						
13:30	18:30		TATE 8448' TO 853 400–1600 PSI.	31' (83') R	OP 17 9-201	K WOB, 210-	-252 GPM, 2	8-60 RPM R	OTARY, 45–56 I	RPM
				Pa	ige 20					

		MW 8.9 VI	S 39.							
18:30	19:00	0.5 SERVICE I	RIG							
19:00	06:00		31' TO 8630' (99') LIDE DEPTHS: 8			)252 GPM	, 28–60 RPN	M ROTARY, 4:	5–56 RPM MOT	OR, 1400-
		MW 8.9 VI	S 39							
			PTHS: 8596860	1						
			ENTS/ACCIDENT	•	ED. CHECK C	COM				
			IEETINGS: 1)CHE			, O. I.				
			5, USED 1995	3012 001/12	,					
		BOILER 24								
			GER: DAY 22.							
		MW 8.9 VI								
02-10-206	)9 Re	eported By	R. DYSART, K.	SPOONTS						
DailyCost		\$83,159	Co	mpletion	\$0		Dail	y Total	\$83,159	
Cum Cost	_	\$2,290,579		mpletion	\$0			l Total	\$2,290,579	
MD	8,735	<b>TVD</b> 7,24		105	Days	23	MW	8.9	Visc	40.0
Formation	•	PBTD	•		Perf:		112.11	PKR De		
		me: DRILLING @ 87							F V 0.0	
Start	End	Hrs Activity D								
06:00	08:30	•	FATE 8630' TO 86	40° (10°) 0	20K WOD 21	0-252 CDM	1 20_60 DDI	A DOTABY A	5_56 DDM MOT	OP 1400-
00.00	06.50	1600 PSI.	IAIE 8030 TO 80	40 (10)9	20K WOB, 21	0 232 GT W	1, 20 00 Kt 1	vi KOIAKI, 4	5 JORIMINOI	OK, 1400
		SLIDE DEF	THS: 8633' TO 86	537'						
08:30	09:00	0.5 CIRCULAT	E FOR BIT TRIP							
09:00	12:30	3.5 TRIP OUT	OF HOLE FOR B	IT #8						
12:30	13:30	1.0 M/U BIT #8	B, NEW MOTOR,	CHANGE C	OUT MWD					
13:30	14:30	1.0 TRIP IN HO	OLE WITH BIT #8	TO 4300'						
14:30	15:30	1.0 SLIP & CU	T DRILL LINE							
15:30	16:30	1.0 TRIP IN HO	OLE FROM 4300'	TO 7900'						
16:30	17:30	1.0 WASH/REA	AM TO 8000'.							
17:30	18:00	0.5 TRIP IN HO	DLE TO 8557'.							
18:00	19:30	1.5 WASH/REA	AM TO 8648'.							
19:30	06:00		TATE 8648' TO 87: PSI. (GAMMA R		-					MOTOR,
		SLIDE DEF	THS:							
		8669'867	14'							
		NO INCIDE	ENTS/ACCIDENT	S REPORTI	ED CHECK C	:OM				
			EETINGS: 1)TRII							
			RECEIVED 800	•						
		BOILER 24								
			GER: DAY 23.							

02 - 1	1-2009	
V4 I	1 4002	

Reported By

R. DYSART, K. SPOONTS

DailyCosts: Drilling

\$57,447

MW 8.9 VIS 40.

Completion

**Daily Total** 

\$57,447

\$0

MD         9,088         TVD         7,224         Progress         353         Days         24         MW         9.0         Viscontinuous           Formation:         PBTD: 0.0         Perf:         PKR Depth: 0	
Formation: PRTD: 0.0 Perf: PKR Depth: 0	
a di interiori din	.0
Activity at Report Time: DRILLING @ 9088'	
Start End Hrs Activity Description	
06:00 15:30 9.5 DRILL ROTATE 8735' TO 8894' (159') @ 17 FPH	
WOB 14/20K, RPM 45/65 GPM 306, MOTOR RPM 691, PSI 2300/2650	
SLIDE DEPTHS: 8785' TO 8794'/ 8835' TO 8842'	
15:30 16:00 0.5 SERVICE RIG	
16:00 06:00 14.0 DRILL ROTATE 8894' TO 9088" (194') @ 14 FPH	
WOB 14/20K, RPM 45/65 GPM 312, MOTOR RPM 705, PSI 2300/2700	
SLIDE DEPTHS: 8931' TO 8943'/ 9028' TO 9040'/ 9060' TO 9072'	
NO INCIDENTS/ACCIDENTS REPORTED, CHECK COM	
SAFETY MEETINGS: PPE X 2	
FUEL: 5600, USED 2170	
BOILER 24 HOURS.	
MUD LOGGER: DAY 24.	
MW 9.0 VIS 40.	
02-12-2009 Reported By R. DYSART, K. SPOONTS	
DailyCosts: Drilling \$64,649 Completion \$0 Daily Total \$64,	649
	12,675
MD 9,263 TVD 7,227 Progress 175 Days 25 MW 8.9 Viso	40.0
Formation: PBTD: 0.0 Perf: PKR Depth: 0	.0
Activity at Report Time: WASH & REAM/LOG GR @ 8730'	
Start End Hrs Activity Description	
06:00 16:00 10.0 DRILL ROTATE 9088' TO 9250' (162') ROP 16	
WOB 14/22K, RPM 45 + 670, GPM 297, PSI 2400/2700	
SLIDE DEPTHS:	
9126' TO 9138'/ 9195' TO 9200'	
16:00 16:30 0.5 SERVICE RIG	
16:30 17:00 0.5 DRILL ROTATE 9250' TO 9263' (13') 26 FPH	
WOB 14/22K, RPM 45 + 670, GPM 297, PSI 2400/2700	
SLIDE DEPTHS:	
17:00 00:00 7.0 MOTOR PRESSURED UP ON AND OFF BOTTOM. TRIP FOR MOTOR. (TRIP TO SHOE AND LA JOINTS FOR GAMA LOG ON WAY BACK IN.)	AY DOWN 18
00:00 03:30 3.5 TRIP IN HOLE W/ NEW BHA TO 8633'.	
03:30 06:00 2.5 WASH/REAM & LOG WITH GAMMA F/8660' TO 8730'	
WORK STRING @ 8660' TO 8690' TIGHT CONNECTION 20K OVER.	
NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM.	
SAFETY MEETINGS: TRIPS X 2	
FUEL: 4300, USED 1300	
BOILER 24 HOURS.	

MUD LOGGER: DAY 25.
MW 8 9 VIS 39

		MW	8.9 VIS 39	).							
02-13-20	09 Re	ported By	R.	DYSART, K. S	SPOONTS		_				
DailyCost	ts: Drilling	\$94,995		Cor	npletion	\$0		Dail	y Total	\$94,995	
Cum Cost	ts: Drilling	\$2,507,6	571	Cor	npletion	\$0		Well	Total	\$2,507,671	
MD	9,505	TVD	7,221	Progress	242	Days	26	MW	8.9	Visc	39.0
Formation	n:	F	<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: DRILLING	i @ 9505'								
Start	End	Hrs Activ	ity Desc	ription							
06:00	12:30	6.5 WASI	H/REAM,	LOG WITH G	AMMA 873	30' TO T.D. 92	63'				
12:30	13:30	1.0 DRIL	L ROTAT	E 9263' TO 929	93' (30') RC	OP 30					
		WOB	14/20K, 1	RPM 45/65 + 62	28, GPM 27	78, PSI 2300/2:	500				
13:30	14:00	0.5 SERV	ICE RIG								
14:00	06:00	16.0 DRIL	L ROTAT	E 9293' TO 950	05' (212') R	OP 13					
		WOB	14/20K, 1	RPM 45/65 + 62	28, GPM 27	8, PSI 2300/2:	500				
		SLID	ES: 9491'	TO 9498'							
				S/ACCIDENTS			OM				
				TINGS: LOCK	OUI/ IAG	001 X 2					
			•	JSED 1900							
			ER 24 HC								
			10GGEF 3.9 VIS 39	R: DAY 26.							
00 14 00	00 D				POONTE						
02-14-20		ported By		DYSART, K. S		<b>e</b> o		D-4	T- 4-1	£94.420	
	ts: Drilling	\$84,420 \$2,592,0			npletion npletion	\$0 \$0			y Total   Total	\$84,420 \$2,592,091	
MD	9,746	TVD	7,218	Progress	<b>241</b>	Days	27	MW	8.8	Visc	38.0
Formation			PBTD: 0	Ü	241	Days Perf:	21	141 44	PKR De		36.0
		r ne: DRILLING		.0		ren:			PKK Dej	pin : 0.0	
				windlau							
Start	End		ity Desc	-	72 (1432)	DOD 122					
06:00	17:30			E 9505' TO 964	, ,		-00				
			14/23K, I E DEPTH	RPM 45/65 + 62 s.	28, GPM 27	8, PSI 2300/23	500				
				ь: , 9628' TO 964:	,,						
17:30	18:00	0.5 SERV		, 9028 10 904.	,						
18:00	06:00			E 9647' TO 974	6' (00') D	OD 8'					
18.00	00.00			RPM 45/65 + 62			500				
				S: 9657' TO 96'		6, 1 31 2300/2,	500				
		NO IN	CIDENT	S/ACCIDENTS	S REPORTI	ED. CHECK C	ОМ				
				TINGS: TONGS							
				SED 1900							
			ER 24 HC								

MUD LOGGER: DAY 27.

MW 8.8 VIS 39.

RECEIVED 8000 GALLONS OF FUEL

02-15-2009	Re	ported By	R.	DYSART, K. S.	POONTS				,		
DailyCosts:	Drilling	\$77,5	18	Con	pletion	\$0		Dail	y Total	\$77,518	
Cum Costs:	Drilling	\$2,662	2,203	Con	pletion	\$0		Well	Total	\$2,662,203	
MD	9,935	TVD	7,214	Progress	189	Days	28	MW	8.8	Visc	40.0
Formation :			<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at F	eport Ti	me: DRILLIN	NG @ 9935'								
Start <b>F</b>	End	Hrs Act	tivity Desc	ription							
06:00	10:00	4.0 DR	ILL ROTAT	E 9746' TO 977	0' (24') RC	)P 6					
		WC	OB 14/23K, I	RPM 45/65 + 62	8, GPM 27	/8, PSI 2300/2	500				
10:00	15:00	5.0 TR	IP OUT OF	HOLE TO SUR	FACE, FO	UND CRACK	/ WASHOU	T ON PON	Y COLLAR IN	BHA.	
15:00	19:00	4.0 TR	IP IN HOLE	то 9702'.							
19:00	19:30	0.5 WA	SH/REAM	F/9702' TO 9770	0'.						
19:30	06:00	10.5 DR	ILL ROTAT	E 9770' TO 993	5' (165') 1	6 ROP					
		WC	OB 14/23K, I	RPM 45/65 + 62	8, GPM 27	78, PSI 2300/2	750				
		SLI	DE: 9782' T	O 9797', 9815'	TO 9825',	9847' TO 985	7', 9912' TO	9922'.			
		NO	INCHIENT	S/ACCIDENTS	י ס בים או	ED CHECK (	COM				
						ер, спеск с	OM				
•			гетт мее: EL: 6900, U	TINGS: TRIPPE	NG A 2						
			EL. 0900,  C ILER 24 HC								
			ID LOGGER								
			V 8.8 VIS 39								
02-16-2009	Re	ported By		DYSART, K. S.	POONTS		-				
DailyCosts:		\$60,7			npletion	\$0		Dail	y Total	\$60,761	
Cum Costs:	-	\$2,72			npletion	\$0			l Total	\$2,722,964	
MD	10,270	TVD	7,208	Progress	335	Days	29	MW	8.8	Visc	41.0
Formation :			<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at R	eport Ti	me: DRILLIN	NG @ 10270	,							
Start <b>E</b>	and	Hrs Ac	tivity Desc	ription							
06:00	16:00	10.0 DR	ILL ROTAT	E 9935' TO 100	96', (161')	ROP 16'					
		WC	OB 16/20K, I	RPM 45/65 + 66	5, GPM 27	70, PSI 2700/3	000				
			DE DEPTH								
16:00	16:30	0.5 SEI	RVICE RIG								
16:30	06:00	13.5 DR	ILL ROTAT	E 10096' TO 10	270', (174	') ROP 13'					
		WC	OB 16/20K, I	RPM 45/65 + 61	9, GPM 27	70, PSI 2700/3	000				
		SLI	DE DEPTH	S: 10171'TO 1	0181'.						
		~ ~ <del>`</del>	DICID	10 / A C(CT) *** ***	nence	en curcu	COM				
				S/ACCIDENTS		вд. СНЕСК (	UM				
				TINGS:FORKL	IFT X 2						
		FU]	EL: 5900, U	ISED 1000							

BOILER 24 HOURS. MUD LOGGER: DAY 29.

MW 8.8 VIS 40.

02-17-20	09 Re	ported By	R.	DYSART, K. S	POONTS						
DailyCost	ts: Drilling	\$66,45	57	Cor	npletion	\$6,387		Dail	y Total	\$72,844	
Cum Cos	ts: Drilling	\$2,789	9,748	Cor	npletion	\$6,387		Wel	l Total	\$2,796,135	
MD	10,440	TVD	7,209	Progress	170	Days	30	MW	9.0	Visc	41.0
Formation	n:		<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: DRILLIN	NG @ 10440	,							
Start	End	Hrs Act	tivity Desc	ription							
06:00	09:00	3.0 DR	ILL ROTAT	E 10,270' TO 10	),304' (34')	ROP 11.3					
		WO	B 16/21K, I	RPM 45/65 + 61	0, GPM 27	0, PSI 2600/31	00				
		SLI	DE DEPTH	S: 10,267' TO 1	0,279'						
09:00	10:00	1.0 CIR	CULATE F	OR TRIP OUT	OF HOLE,	(MOTOR FAII	LURE)				
10:00	13:30	3.5 TRI	POUT OF	HOLE FROM 1	0,304' LAY	OUT MOTOR	R (BEARIN	IG FAILURI	E) MWD & S7	TABILIZERS.	
13:30	14:00	0.5 PIC	K UP NEW	1.0, (2.26) MO	TOR, MWI	O & STABILIZ	ERS. TRII	IN HOLE T	O		
14:00	17:30	3.5 TRI	P IN HOLE	TO 10243'.							
17:30	18:00			F/ 10243' TO 10							
18:00	06:00			E 10,304' TO 10	,						
				M 45/65 + 610, <sup>1</sup> S: 10332' TO 1		PSI 2600/3100					
		NO	INCIDENT	S/ACCIDENTS	REPORTE	ED. CHECK CO	OM				
		SAI	FETY MEET	FINGS: TRIPP	ING X 2						
		FUE	EL: 3480, U	ISED 2420							
			ILER 24 HC								
			D LOGGER								
			7 9.0 VIS 40								
02-18-20		ported By		DYSART, K. S						****	
•	s: Drilling	\$84,66			npletion	\$20,034			y Total	\$104,700	
	ts: Drilling	\$2,874		Con	npletion	\$26,421		Well	l Total	\$2,900,836	
MD	10,720	TVD	7,199	Progress	280	Days	31	MW	8.8	Visc	42.0
Formation			<b>PBTD</b> : 0.			Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Tii	ne: DRILLIN	IG @ 10,720	)'							
Start	End		tivity Desc	_							
06:00	14:30			E 10,440' TO 10		•					
			•	A 45/65 + 610, 6	GPM 270, I	PSI 2600/3100					
			DE DEPTH								
		1049	99 TO 1050	9							
14:30	15:00	0.5 SER	EVICE RIG								
15:00	06:00			E 10,581' TO 10	),720' (139'	) 9 ROP					
				,	, - (	, <del></del>					

SLIDE DEPTHS: 10590 TO 10600, 10,656' TO 10,667'.

NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM

SAFETY MEETINGS: 100% TIE OFF

FUEL: 900, USED 2580 BOILER 24 HOURS. MUD LOGGER: DAY 31.

MW 8 8 VIS 42

		MW	8.8 VIS 42	2.							
02-19-200	9 R	eported By	В	EARDSLEY / S	CHLENKE	ER					
DailyCosts	: Drilling	\$91,55	8	Con	npletion	\$0		Daily	Total	\$91,558	
Cum Costs	: Drilling	\$2,965	,973	Con	npletion	\$26,421		Well	<b>Fotal</b>	\$2,992,394	
MD	10,956	TVD	7,201	Progress	236	Days	32	MW	8.8	Visc	42.0
Formation	:	]	PBTD : 0	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at	Report Ti	me: TOH FOR	MOTOR								
Start	End	Hrs Acti	vity Desc	cription							
06:00	15:30		LL ROTAT I, 2500–30	E & SLIDE F/1 000 PSI.	0720-1083	9'(119'@ 12	5'/HR) 15~	18K WOB, 45	RPM ROTA	ARY, 610 MOTO	OR, 270
		MUI	WT. 8.8,	VIS 42.							
		SLIE	DE DEPTH	IS: 10,721' TO 1	0,731'						
15:30	16:00	0.5 SER	VICE RIG								
		MUI	WT. 8.8,	VIS 42.							
16:00	02:00		LL ROTAT I, 2500–30	E & SLIDE F/1 00 PSI.	0839–1095	6' (117' @ 11.	7'/HR) 15–1	18K WOB, 45	RPM ROTA	ARY, 610 MOTO	OR, 270
				, WENT BACK PUT NEW NAII				•	TALLED, W	OULD NOT R	ELEASE,
		MUI	WT. 8.8,	VIS 42.							
		SLIE	DE DEPTH	IS: 10912–1092	2', 10946–1	10956'.					
02:00	06:00	4.0 POO	H W/WET	PIPE FOR NE	W MOTOR						
		MUI	WT. 8.8,	VIS 41.							
		SAF	ETY MEE	TINGS: CLEAN	IING,						
		FUL	L CREWS	BOTH TOURS							
		NO I	NCIDENT	rs/accidents	REPORT	ED.					
		COM	1 CHECKI	ED BY BOTH T	OURS.						
		FUE	L ON HAI	ND: 7200 GAL.	RECEIVE	D TODAY: 800	00 GAL. US	ED: 1700 GA	L.		
		BOII	LER 24 HO	OURS.							
		FOR	MATION:	NORTH HORN	I, NO FLAI	RE.					
		MUI	LOGGE	R DAY 32.							
02-20-200	9 Re	ported By	W	. BEARDSLEY,	, J. SCHLE	NKER					

Activity at Report Time: TOH FOR MOTOR

11,048 **TVD** 

\$62,897

\$3,028,870

7,204

**PBTD**: 0.0

DailyCosts: Drilling

**Cum Costs: Drilling** 

MD

Formation:

\$0

Days

Perf:

\$26,421

33

**Daily Total** 

Well Total

MW

8.8

PKR Depth: 0.0

\$62,897

Visc

\$3,055,291

41.0

Completion

Completion

**Progress** 

92

Start	End	Hrs	Activity Desc	ription							
06:00	09:00	3.0	CONTINUE PO						D DOWN AP	PROX. 1". HAI	O TO PUSH
			MUD WT. 8.8,	VIS 41.							
09:00	10:00	1.0	CHANGE OUT	MWD TOOL,	ORIENT N	EW MOTOR.					
			MUD WT. 8.8,	VIS 41.							
10:00	11:00	1.0	TRIP IN HOLE	TO APPROX.	4500'.						
			MUD WT. 8.8,	VIS 41.							
11:00	12:00	1.0	FILL PIPE, SLI	P & CUT DRII	LL LINE.						
12:00	14:30	2.5	CONTINUE TI	H TO 10650', S	STARTING	TO STACK O	JT WEIGH	T.			
14:30	15:30	1.0	WASH/REAM	10650-10956',	NO HARD	REAMING.					
15:30	18:00	2.5	DRILL ROTAT 2580-3000 PSI		0956-1098	6' (30' @ 12'/F	IR) 16-20k	C WOB, 45 R	PM ROTARY	7, 675 MOTOR,	270 GPM,
			MUD WT. 8.8,	VIS 42.							
18:00	18:30	0.5	SERVICE RIG.								
18:30	02:00	7.5	DRILL ROTAT 2580–3000 PSI		09861104	8' (62' @ 8.3'/	HR) 16-20	K WOB, 45 F	RPM ROTARY	Y, 675 MOTOR,	270 GPM,
			MUD WT. 8.8,	VIS 40.							
			AFTER MAKII PRESSURE WI PRESSURE. BI	ENT TO 1750 P	PSI W/21 SI	PM ON #1 PUN	IP. WORK	ED PIPE, RC	TATED, COU		
			INDICATIONS	OF MUD MO	TOR FAILU	JRE. PREPARI	то роон	I.			
02:00	06:00	4.0	POOH W/WET	PIPE FOR SU	SPECTED	MUD MOTOR	FAILURE.				
			MUD WT. 8.8,								
			SAFETY MEE			LEASE, TRIPP	ING WET I	PIPE.			
			FULL CREWS								
			NO INCIDENT			ED.					
			COM CHECKE			70.041					
			FUEL ON HAN		USED: 15	/0 GAL.					
			BOILER 24 HO		I NO EL AI	D.E.					
			FORMATION:		N, NO FLAI	KE.					
02-21-20	09 Re	ported I	MUD LOGGEF	BEARDSLEY	. J. SCHLE	NKER					
	s: Drilling	•	63,963		npletion	\$490		Dails	Total	\$64,454	
-	s: Drilling		3,092,834		npletion	\$26,911		•	Total	\$3,119,745	
MD	11,250	TVD	7,198	Progress	202	Days	34	MW	8.8	Visc	41.0
Formation	,		<b>PBTD</b> : 0	Ŭ		Perf:			PKR De		
		ne: DRII	LLING @ 11250			1011.			T IKK DU	<b>,</b>	
Start	End	Hrs	Activity Desc	ription							
06:00	08:00	2.0	CONTINUE PO					-	,		
			MUD WT. 8.8,	VIS 41.							
08:00	08:30	0.5	PICK UP NEW	BAKER MOTO	OR & STAI	BS FOR BHA #	13. ORIEN	T MWD. RE	ERUN BIT.		
			MUD WT. 8.8,	VIS 41.							
08:30	09:00	0.5	SERVICE RIG.								

Property:	059160
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		M	JD WT. 8.8,	VIS 41.							
09:00	13:00	4.0 TR	IP IN HOLE	E WITH BHA #	13, RERUN	I BIT #8. TIH T	O 10695.				
		MU	JD WT. 8.8,	VIS 41.							
13:00	14:30	1.5 WA	ASH/REAM	F/10695-11048	', NO HAI	RD REAMING.					
		M	JD WT. 8.8,	VIS 41.							
14:30	19:00		RILL ROTAT 50–3000 PSI		1048-1109	97' (49' @ 10.9'	HR) 14-1	8K WOB, 45	RPM ROTAI	RY, 610 MOTOF	t, 270 GPM,
		MU	JD WT. 8.8,	VIS 41.							
		SL	IDES: 11055	5-11062' (7') @	25R GTF,	11075-11085',	(10') @ 2	OR GTF.			
19:00	19:30	0.5 SE	RVICE RIG.								
19:30	06:00		RILL ROTAT M, 2450–30		1097-1125	50' (153' @ 14.6	'/HR) 14–	18K WOB, 4	5 RPM ROTA	ARY, 610 MOTO	R, 270
		M	JD WT. 8.8,	VIS 41.							
		SL	IDES: 11205	5-11215' (10')	@ 170R G	TF.					
		SA	FETY MEE	TINGS: TRIPP	NG PIPE,	LAST DAY.					
		FU	ILL CREWS	BOTH TOURS	l.						
		NO	) INCIDENT	S/ACCIDENTS	S REPORT	ED.					
		CC	M CHECKI	ED BY BOTH T	OURS.						
		FU	EL ON HAI	ND: 4120 GAL.	USED: 15	10 GAL.					
		ВС	OILER 24 HO	OURS.							
		FC	RMATION:	NORTH HORN	I, NO FLA	RE.					
		M	UD LOGGEI	R DAY 34.							
02-22-20	009 Re	ported By	W	. BEARDSLEY	, J. SCHLE	ENKER					
DailyCos	ts: Drilling	\$57,3	368	Cor	npletion	\$735		Daily	y Total	\$58,103	
=	ts: Drilling	\$3,15	50,202	Cor	npletion	\$27,646		Well	Total	\$3,177,849	
MD	11,355	TVD	7,182	Progress	105	Days	35	MW	8.8	Visc	40.0
Formatio	n :		PBTD: 0	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: LD DP									
Start	End	Hrs Ac	ctivity Desc	ription							
06:00	13:00		•	_	1250'-113	.55' (105' @ 15'	/HR) 14–1	8K WOB 45	RPM ROTA	RY, 610 MOTOI	₹ 270 GPM
00.00	15.00									D @ 12:43 HRS	
13:00	14:00	1.0 CI	RCULATE E	BOTTOMS UP.							
•		M	UD WT. 8.8,	VIS 40.							
14:00	16:00	2.0 SH	ORT TRIP	TO 7" CASING	SHOE, ST	CAND BACK 30	STANDS	, LAY DOWN	V 19 JTS TO	WASH TO BOT	TOM WITH.
		М	UD WT. 8.8,	VIS 41.							
16:00	17:00			, STACKING C	OUT.						
20,00	-7.00		JD WT. 8.8,		==						
17:00	18:00			F/11115-11355	i'. NO HAI	RD FILL.					
17,00	10,00		ID WT 00		, , , , , , , , ,						

LAYDOWN CREW & RIG CREW. RIG UP LAYDOWN TRUCK.

1.5 CIRCULATE BOTTOMS UP, SPOT BEAD PILL, HOLD PRE~JOB SAFETY MEETING WITH WEATHERFORD

MUD WT. 8.8, VIS 41.

MUD WT. 8.8, VIS 40.

10.5 LAY DOWN 4" DRILL PIPE & BHA.

SAFETY MEETINGS: LAYING DOWN PIPE.

18:00

19:30

19:30

06:00

Property: 059160

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 2300 GAL. USED: 1820 GAL.

BOILER 24 HOURS.

FORMATION: NORTH HORN, NO FLARE.

MUD LOGGER DAY 35. MUD LOGGER RELEASED ON 02/21/09.

02-23-20	09 Re	ported By	W	. BEARDSLEY,	J. SCHLE	NKER					
DailyCost	s: Drilling	\$61,7	'88	Con	pletion	\$255,303		Dail	y Total	\$317,092	
Cum Cost	ts: Drilling	\$3,21	1,991	Con	pletion	\$282,950		Wel	l Total	\$3,494,942	
MD	11,355	TVD	7,182	Progress	0	Days	36	MW	0.0	Visc	0.0
Formation	n:		PBTD:	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: RDRT/V	O COMPLI	ETION							
Start	End	Hrs Ac	tivity Desc	ription							
06:00	08:00	2.0 CC	NTINUE LA	AYING DOWN	4" DRILL	PIPE, BREAK	KELLY, L	AY DOWN I	ВНА.		
		MU	JD WT. 8.8,	VIS 40.							
08:00	08:30	0.5 PU	LL WEAR I	BUSHING, FILL	HOLE.						
		M	JD WT. 8.8,	VIS 40.							
08:30	10:30			LOOR, HOLD F //FILL TOOL. N			TING WIT	H WEATHE	RFORD CASI	ERS AND RIG	CREW. RIG
10:30	20:30	110 22 LA 938 93 W/ SE TR	DLTC CASING JTS CASING NDING JOI BO', MARKE JOINTS, 1 FASH DOWN VERAL TIN AVELING A	DF 4 1/2" 11.6# 1 NG AS FOLLOV G, MARKER JT NT. LAND @ 1 ER #3 6343-636- PER JOINT NEX LAST 6 JOINT! IES BEFORE P! SSEMBLEY. 99 TH 26,000# W/O	WS: FLO <sub>2</sub> , 71 JTS C. 1349.36', I 4'. CASIN TT 14 JOIN S, STACKI ICKING U 9,000# PIC	AT SHOE, 1 JT ÀSING, MARK FLOAT COLLA IG EQUIPPED ITS. ING OUT. PUM P LANDING JO EKUP, 26,000# S	CASING, ER JT, 15 R @ 1130 WITH 200 IP QUICK DINT. PIC SLACKOF	FLOAT COL 50 JTS CASH 14'. MARKE D RIGID CEN C SLIDE PILL EKUP 115,00 FF W/O TRA	LLAR, 23 JTS NG, PUP JT, F ER#1 10312-1 NTRALIZERS LS, BEGAN M 0#, SLACKOF VELING ASS	CASING, MAI IANGER ASSE 0334', MARKJ , 2 PER JOINT MOVING. RECI FF 40,000# INC	RKER JT, MBLY, ER #2 9359– FOR FIRST PROCATE LUDING
20:30	21:00	0.5 RIG	G DOWN CA	ASERS, INSTAL	L CIRCU	LATING SWAC	E.				
		MU	JD WT. 8.8,	VIS 40.							
21:00	22:00	1.0 CII	RCULATE A	T 254 GPM.							
		M	DD WT. 8.8,	VIS 40.							
22:00	22:30	0.5 HC	LD PRE-JO	OB SAFETY ME	EETING W	/SCHLUMBER	GER CEN	MENTERS &	z RIG CREW.	RIG UP CEME	NTERS.
22:30	00:30	DR 5.9 DIS PIT 175	OP BOTTO: 55 GAL/SK SPERSANT S. DROP TO 5.5 CALCUI	DUCTION CAS M PLUG. PUMI MIX WATER) V AND .4% D167 OP PLUG. DISP LATED DISPLA L BACK TO TU	P 124 BBL V/2% D020 FLUID LO LACE W I CEMENT.	(540 SX, 697 C 0 EXTENDER, DSS. PUMP SL FRESH WATER FINAL PUMP	CU FT) 14 .1% D04 URRY AT . @ 5 BBL	.1 PPG 50:50 6 ANTIFOAI 5 BBL/MIN /MIN, BUM	POZ/G TAIL M, .1% D013 I . SHUT DOW IPED PLUG V	CEMENT (1.2) RETARDER, .2 N AND WASH V/175 BBL DIS	9 CU FT/SK, % D065 UP TO SPLACED,
00:30	01:30	1.0 WA	IT ON CEM	MENT.							
01:30	03:00	1.5 BA	CK OFF LA	NDING JOINT, G HEAD IS INS			FMC, NO	PORT, COU	LD NOT TES	Γ ΤΟ 5000 PSI.	WILL TEST

2.0 NIPPLE DOWN, CLEAN MUD TANKS.

05:00

03:00

05:00	06:00		RT, PREPAF 23/09.	RE FOR APPRO	X. 7 MILE	MOVE TO THE	E CWU 1	372–29. TRU	CKS SCHED	ULED FOR 0800	ON
		SAl	FETY MEET	rings: Runnir	NG CASIN	G, CEMENTIN	G.				
				BOTH TOURS.							
		NO	INCIDENT	S/ACCIDENTS	REPORTE	ED.					
		TR	ANSFERS F	ROM CWU 122	7-06H TO	CWU 1372-29:	:				
		4 J(	OINTS OF 4	1/2" 11.6" N-80	) LTC (2 N	EW, 2 BAD).					
		6 J(	OINTS OF 4	1/2" 11.6" P-11	0 LTC (NI	EW).					
		3 M	IARKER JO	INTS OF 4 1/2"	11.6" P-1	10 LTC. (NEW)					
		150	00 GAL OF V	WINTER BLENI	O FUEL @	\$2.091/GAL.					
06:00		RIC	G RELEASE	D @ 06:00 HRS	, 02/23/09.						
		CA	SING POIN	T COST \$3,181,	470						
02-28-2009	Re	ported By	HA	ACKING							
DailyCosts: 1	Drilling	\$0		Com	pletion	\$12,300		Daily	Total	\$12,300	
Cum Costs:	_	\$3,21	1,991	Com	pletion	\$295,250		Well	Total	\$3,507,242	
MD	11,355	TVD	7,182	Progress	0	Days	37	MW	0.0	Visc	0.0
Formation :			<b>PBTD</b> : 0	J		Perf:			PKR Dep	oth: 0.0	
	eport Tir	ne: RIH W/ I		PER TO PBTD					•		
•	nd		tivity Desc								
06:00	06:00		· ·	_	BIT & SC	RAPER, PU TB	S. 310 JT	S. EOT @ 10	.160°. CIRC I	BOTTOMS UP. S	DFN.
03-03-2009		ported By		ACKING							
		\$0 \$0	111		mlastan	\$6,800		Doile	. Total	\$6,800	
DailyCosts:			1 001		pletion			-	Total		
Cum Costs:	_	\$3,21			pletion	\$302,050			Total	\$3,514,042	
MD	11,355	TVD	7,182	Progress	0	Days	38	MW	0.0	Visc	0.0
Formation:			<b>PBTD</b> : 0			Perf:			PKR Dep	oth: 0.0	
Activity at R	eport Tir	ne: RIH W/T	BS. TO PBT	CD							
Start E	nd	Hrs Ac	tivity Desc	ription							
06:00	06:00	24.0 0 P		/35 JTS. TAG @	11295' CI	RC W/160 BBL	S. POH. I	LD 345 JTS, I	BIT & SCRAP	ER. ND BOPS.	NU TREE.
		RD	SU.								
03-05-2009	Re	RD ported By	· ·	EARLE							
03-05-2009 DailyCosts: 1			· ·		pletion	\$59,500	_	Daily	7 Total	\$59,500	
	Drilling	ported By	SE	Com	pletion	\$59,500 \$361,550		•	/ Total Total	\$59,500 \$3,573,542	
DailyCosts:	Drilling	ported By \$0	SE	Com	_	•	39	•		· •	0.0
DailyCosts: 1	Drilling Drilling	\$0 \$3,21	SE 1,991	Com Com Progress	pletion	\$361,550	39	Well	Total	\$3,573,542 <b>Visc</b>	0.0
DailyCosts: 1 Cum Costs: 1 MD	Drilling Drilling 11,355	\$0 \$3,21 <b>TVD</b>	SE 1,991 7,182 <b>PBTD :</b> 1	Com Com Progress	pletion	\$361,550 <b>Days</b>	39	Well	Total 0.0	\$3,573,542 <b>Visc</b>	0.0
DailyCosts: Cum Costs: MD  Formation: Activity at R	Drilling Drilling 11,355 eport Tir	\$0 \$3,21 TVD	SE 1,991 7,182 <b>PBTD :</b> 1 OR FRACS	Com Com Progress 1304.0	pletion	\$361,550 <b>Days</b>	39	Well	Total 0.0	\$3,573,542 <b>Visc</b>	0.0
DailyCosts: Cum Costs: MD  Formation: Activity at R	Drilling Drilling 11,355	\$0 \$3,21 TVD ne: PREP FC	7,182 PBTD: 1 OR FRACS tivity Desc	Com Com Progress 1304.0 ription	opletion 0	\$361,550  Days  Perf:		Well MW	Total 0.0 PKR Dep	\$3,573,542 <b>Visc</b>	

	STATE OF UTAH				FORM 9				
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M	G	<b>5.LEAS</b> U-013	E DESIGNATION AND SERIAL NUMBER: 04					
	RY NOTICES AND REPORT		6. IF IN	IDIAN, ALLOTTEE OR TRIBE NAME:					
	sals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals.				or CA AGREEMENT NAME: TA WELLS				
1. TYPE OF WELL Gas Well					L NAME and NUMBER: 1227-6H				
2. NAME OF OPERATOR: EOG Resources, Inc.				9. API NUMBER: 43047386720000					
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-		PHONE NUMBER: Ext	1 -	<b>D and POOL or WILDCAT:</b> RAL BUTTES				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 0702 FEL QTR/QTR, SECTION, TOWNSHI	IP RANGE MERIDIAN:			UINTA	.H				
	Township: 09.0S Range: 23.0E Meridian	: S		STATE: UTAH					
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA									
TYPE OF SUBMISSION			TYPE OF ACTION						
l .	□ ACIDIZE □ CHANGE TO PREVIOUS PLANS □ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE □ PRODUCTION START OR RESUME □ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION  OMPLETED OPERATIONS. Clearly show all particularly show		/29/2009, waiting on / I Oi	Accep Utah I, Gas	'				
NAME (PLEASE PRINT) Kaylene Gardner	<b>PHONE NUMBE</b> 435 781-9111	ER	TITLE Regulatory Administrator						
SIGNATURE N/A			<b>DATE</b> 5/29/2009						

	STATE OF UTAH			FORM 9					
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M		3	5.LEASE DESIGNATION AND SERIAL NUMBER: U-01304					
	RY NOTICES AND REPORT	_	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
	sals to drill new wells, significantly deepo ugged wells, or to drill horizontal laterals			7.UNIT OF CA AGREEMENT NAME: CHAPITA WELLS					
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: CWU 1227-6H					
2. NAME OF OPERATOR: EOG Resources, Inc.				<b>9. API NUMBER:</b> 43047386720000					
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000 N	N , Denver, CO, 80202		HONE NUMBER:  -9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES					
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 0702 FEL QTR/QTR, SECTION, TOWNSHI				COUNTY: UINTAH  STATE:					
	Township: 09.0S Range: 23.0E Meridian	: S		UTAH					
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA									
TYPE OF SUBMISSION			TYPE OF ACTION						
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION OMPLETED OPERATIONS. Clearly show all properties of the completion opensity. Waiting on completion opensity.	ertinen	on dated 5/29/2009. s. <b>Oi</b>	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER:  Volumes, etc.  Accepted by the Utah Division of II, Gas and Mining RECORDONLY					
NAME (PLEASE PRINT) Mary Maestas	<b>PHONE NUMBE</b> 303 824-5526	ER	TITLE Regulatory Assistant						
SIGNATURE N/A	303 024 3320		<b>DATE</b> 7/1/2009						

## WELL CHRONOLOGY REPORT

Report Generated On: 07-01-2009

Well Name	CWU 1227-06H	Well Type	DEVG	Division	DENVER
Field	CHAPITA DEEP	API#	43-047-38672	Well Class	COMP
County, State	UINTAH, UT	Spud Date	01-19-2009	Class Date	
Tax Credit	N	TVD / MD	7,190/11,366	Property #	059160
Water Depth	0	Last CSG	4.5	Shoe TVD / MD	7,182/ 11,349
KB / GL Elev	4,907/ 4,891				
Location	Section 6, T9S, R23E, NENE,	, 817 FNL & 702 FEL			

DRILL & COMPLETE

Operator	EOG RESOUR	CES, INC W	I % 95.	17	NRI %	77	.908	
AFE No	304032	A	FE Total	5,877,400	DHC / C	wc	2,791,800	0/3,085,600
Rig Contr	TRUE	Rig Name	TRUE #31	Start Date	10-06-2006	Release Da	ate 02	-23-2009
10-05-2006	Reported By	SHAR	ON WHITLOCK					
DailyCosts: Di	rilling \$0		Completion	\$0	Daily	Total	\$0	
Cum Costs: Da	rilling \$0		Completion	\$0	Well	Total	\$0	
MD	0 <b>TVD</b>	0 <b>P</b>	rogress 0	Days	0 <b>MW</b>	0.0	Visc	0.0
Formation:		<b>PBTD</b> : 0.0		Perf:		PKR Dept	<b>h</b> : 0.0	

Activity at Report Time: LOCATION DATA

1.0

**Event No** 

Start End Hrs Activity Description

06:00 06:00 24.0 LOCATION DATA (Changed to horizontal well)

SHL: 817' FNL & 702' FEL (NE/NE LOT 1)

**Description** 

SECTION 6, T9S, R23E UINTAH COUNTY, UTAH

LAT 40.069750, LONG 109.362839 (NAD 83) LAT 40.069786, LONG 109.362158 (NAD 27)

BHL TARGET: 10' FSL & 1330' FEL (SW/SE)

SECTION 6, T9S, R23E UINTAH COUNTY, UTAH

TRUE #31

OBJECTIVE: 7175' TVD/11,379' MD MESAVERDE

DW/GAS

CHAPITA WELLS UNIT PROSPECT

DD&A: CHAPITA DEEP NATURAL BUTTES FIELD

LEASE: U-01304

ELEVATION: 4891' NAT GL, 4891' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 4891') 4907' KB (16')

## EOG BPO WI 95.170152%, NRI 77.908304% EOG APO WI 55.5827%, NRI 46.061930%

12 15 2000 B							
12-15-2008 R	eported By	TERRY CSERE					
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
<b>Cum Costs: Drilling</b>	\$0	Completion	\$0		Well Total	\$0	
<b>MD</b> 0	TVD	0 <b>Progress</b> 0	Days	0	<b>MW</b> 0.0	Visc	0.0
Formation:	PBT	Γ <b>D</b> : 0.0	Perf:		PKR I	<b>Depth:</b> 0.0	
Activity at Report Ti	me: BUILD LOCA	TION					
Start End	Hrs Activity	Description					
06:00 06:00	24.0 CONSTE	RUCTION OF LOCATION STAF	RTED TODAY.				
12-16-2008 R	eported By	TERRY CSERE					
DailyCosts: Drilling	\$0	Completion	\$0		<b>Daily Total</b>	\$0	
<b>Cum Costs: Drilling</b>	\$0	Completion	\$0		Well Total	\$0	
<b>MD</b> 0	TVD	0 Progress 0	Days	0	<b>MW</b> 0.0	Visc	0.0
Formation:	PBT	Γ <b>D</b> : 0.0	Perf:		PKR I	<b>Depth:</b> 0.0	
Activity at Report Ti	me: BUILD LOCA	TION					
Start End	Hrs Activity	Description					
06:00 06:00	24.0 PUSHIN	G OUT PIT.					
12-17-2008 R	eported By	TERRY CSERE					
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
<b>Cum Costs: Drilling</b>	\$0	Completion	\$0		Well Total	\$0	
<b>MD</b> 0	TVD	0 Progress 0	Days	0	<b>MW</b> 0.0	Visc	0.0
Formation:	PBT	Γ <b>D</b> : 0.0	Perf:		PKR I	<b>Depth:</b> 0.0	
Activity at Report Ti	me: BUILD LOCA	TION					
Start End	Hrs Activity	Description					
06.00	•						
06:00 06:00	-	O OUT. DRILLING ROCK.					
	-	O OUT. DRILLING ROCK.  TERRY CSERE					
	24.0 ROCKEI		\$0		Daily Total	\$0	
12-18-2008 R	24.0 ROCKEI	TERRY CSERE	\$0 \$0		Daily Total Well Total	\$0 \$0	
12-18-2008 Ro DailyCosts: Drilling	24.0 ROCKEI eported By \$0	TERRY CSERE  Completion		0	-	\$0	0.0
12–18–2008 Ro DailyCosts: Drilling Cum Costs: Drilling	24.0 ROCKEI eported By \$0 \$0 TVD	TERRY CSERE  Completion Completion	\$0	0	Well Total MW 0.0	\$0	0.0
12–18–2008 Ro DailyCosts: Drilling Cum Costs: Drilling MD 0	24.0 ROCKER  eported By \$0 \$0  TVD  PBT	TERRY CSERE  Completion Completion  Progress  TD: 0.0	\$0 <b>Days</b>	0	Well Total MW 0.0	\$0 Visc	0.0
12–18–2008 Ro DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation :	24.0 ROCKEI eported By \$0 \$0 TVD PBT me: BUILD LOCA	TERRY CSERE  Completion Completion  Progress  TD: 0.0	\$0 <b>Days</b>	0	Well Total MW 0.0	\$0 Visc	0.0
12–18–2008 Ro DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation: Activity at Report Ti	24.0 ROCKEI eported By \$0 \$0 TVD PBT me: BUILD LOCA	TERRY CSERE  Completion Completion  Progress  TD: 0.0  TION Description	\$0 <b>Days</b>	0	Well Total MW 0.0	\$0 Visc	0.0
12–18–2008 Ro DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation: Activity at Report Ti Start End 06:00 06:00	24.0 ROCKER eported By \$0 \$0  TVD  PBT me: BUILD LOCK Hrs Activity	TERRY CSERE  Completion Completion  Progress  TD: 0.0  TION Description	\$0 <b>Days</b>	0	Well Total MW 0.0	\$0 Visc	0.0
12–18–2008 Ro DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation: Activity at Report Ti Start End 06:00 06:00	24.0 ROCKER  eported By \$0 \$0  TVD  PBT  me: BUILD LOCA  Hrs Activity 24.0 DRILLIN	TERRY CSERE  Completion Completion  Progress  TD: 0.0  TION Description  NG ROCK.	\$0 <b>Days</b>	0	Well Total MW 0.0	\$0 Visc	0.0
12–18–2008 Ro DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation: Activity at Report Ti Start End 06:00 06:00  12–19–2008 Ro	24.0 ROCKER eported By \$0 \$0  TVD  PBT me: BUILD LOCA Hrs Activity 24.0 DRILLIN eported By	TERRY CSERE  Completion Completion  0 Progress 0  TD: 0.0  TION Description NG ROCK. TERRY CSERE	\$0  Days  Perf:	0	Well Total  MW 0.0  PKR I	\$0 Visc Depth: 0.0	0.0
12–18–2008 Ro DailyCosts: Drilling Cum Costs: Drilling MD 0 Formation: Activity at Report Ti Start End 06:00 06:00  12–19–2008 Ro DailyCosts: Drilling	24.0 ROCKER  eported By  \$0  TVD  PBT  me: BUILD LOCA  Hrs Activity  24.0 DRILLIN  eported By  \$0	TERRY CSERE  Completion Completion  Progress  TION TOP STORM TERRY CSERE Completion	\$0  Days  Perf:	0	Well Total  MW 0.0  PKR I	\$0 Visc Depth: 0.0	0.0

Activity	at Re	port Time:	BUILD	LOCATION
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End

Start

06:00	06:00	24.0 SHC	OTING TOL	DAY.							
12-22-20	008 R	eported By	JER	RY BARNES/	TERRY C	SERE					
DailyCost	ts: Drilling	\$0		Com	pletion	\$0		Daily	Total	\$0	
Cum Cos	ts: Drilling	\$0		Com	pletion	\$0		Well 7	Total	\$0	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0

Formation: PBTD: 0.0 Perf: PKR Depth: 0.0

Activity at Report Time: SPUD NOTIFICATION/BUILD LOCATION

**Activity Description** 

Start	End	Hrs	Activity	Description
Start	EHU	пг	Activity	Description

06:00 06:00 24.0 CRAIGS ROUSTABOUT SERVICE SPUD A 26" HOLE ON 12/20/08 @ 3:30 PM. SET 60' OF 16" CONDUCTOR. CEMENT TO SURFACE WITH READY MIX. JERRY BARNES NOTIFIED CAROL DANIELS W/UDOGM AND

MICHAEL LEE W/BLM OF THE SPUD 12/20/08 @ 2:30 PM. LINE TODAY.

12-23-2008	R	eported By	T	ERRY CSERE							
DailyCosts: D	rilling	\$0		Com	pletion	\$0		Daily	Total	\$0	
Cum Costs: D	rilling	\$0		Com	pletion	\$0		Well	<b>Fotal</b>	\$0	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation:			PBTD:	0.0		Perf:			PKR De	<b>pth:</b> 0.0	

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	<b>Activity Description</b>
06:00	06:00	24.0	LOCATION COMPLETE

01-01-2009	Re	eported By	LES FARNSWOR	RTH						
DailyCosts: D	rilling	\$271,599	Con	npletion	\$0		Daily	Total	\$271,599	
Cum Costs: I	Prilling	\$271,599	Con	npletion	\$0		Well 7	<b>Fotal</b>	\$271,599	
MD	2,566	TVD 2	,566 <b>Progress</b>	0	Days	0	MW	0.0	Visc	0.0
Formation :		PBT	Γ <b>D</b> : 0.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: WORT

## Start End Hrs Activity Description

06:00 06:00

24.0 MIRU CRAIGS DRILLING RIG # 3 ON 12/22/2008. DRILLED 12–1/4" HOLE TO 2550' GL (2566' KB). ENCOUNTERED WATER @ 2100'. FLUID DRILLED HOLE FROM 2120' WITH NO LOSSES. RAN 59 JTS (2544.81') OF 9–5/8", 36.0#, J–55, STC CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE.TAGGED FILL @ 2544' WITH JOINT # 60. LAID DOWN JOINT # 60. LANDED @ 2560' KB. RAN 200' OF 1" PIPE DOWN BACKSIDE. RDMO CRAIGS RIG.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 1850 PSIG. PUMPED 130 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT. MIXED & PUMPED 250 SX (183 BBLS) OF PREMIUM LEAD CEMENT W/ 0.2% VARASET, 2% CALSEAL, & 2% EX-1. MIXED LEAD CEMENT @ 10.5 PPG W/YIELD OF 4.10 CF/SX.

TAILED IN W/ 300 SX (63 BBLS) OF PREMIUM CEMENT. W/ 2 % CACL2 MIXED TAIL CEMENT TO 15.6 W/ YIELD OF1.18 CF/SX. DISPLACED CEMENT W/193 BBLS FRESH WATER. BUMPED PLUG W/ 578# @ 8:18 PM, 12/30/2008. CHECKED FLOAT, FLOAT HELD. SHUT–IN CASING VALVE. BROKE CIRCULATION 120 BBLS INTO FRESH WATER FLUSH. LOST RETURNS AT 35 BBLS INTO TAIL CEMENT. NO CEMENT TO SURFACE.

TOP JOB # 1: PUMP DOWN 200' OF 1" PIPE. MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/ 2 % CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 5 HRS.

TOP JOB # 2: MIXED & PUMPED 150 SX (31 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. HOLE FILLED & STOOD FULL. RDMO HALLIBURTON CEMENTERS.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIGS TOOK SURVEYS AFTER SETTING CASING @ 1400' = 1.0 DEGREE & 2488' = 2.25 DEGREE.

CONDUCTOR LEVEL RECORD: PS= 89.9 OPS= 89.9 VDS= 90.0 MS= 89.9 9 5/8 CASING LEVEL RECORD: PS= 89.8 OPS= 89.7 VDS= 89.7 MS= 89.8

KYLAN COOK EMAILED NOTIFICATION TO BLM OF THE SURFACE CASING & CEMENT JOB ON 12/23/2008 @  $11:50~\mathrm{AM}$ .

01-18-2009	Re	eported By	R.	DYSART							
DailyCosts:	Drilling	\$31,6	570	Con	npletion	\$0		Daily	Total	\$31,670	
<b>Cum Costs:</b>	Drilling	\$303	,269	Con	apletion	\$0		Well 7	Total	\$303,269	
MD	2,566	TVD	2,566	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :			<b>PBTD</b> : 0.	.0		Perf:			PKR Dei	oth: 0.0	

**Activity at Report Time: RURT** 

Start	End	Hrs Activity Description	
06:00	17:00	11.0 HOLD PRE–JOB SAFETY MTG. RIG MOVE 7 MILES FROM CWU 1362–25 TO CWU 1227–06H, SPOT & SET SUBS, PONDEROSA CONST. ON SITE, CONFIRM WELL HEAD & ROTARY TABLE LEVEL WITH LASER LEVEL, CENTER UP ROTARY WITH PLUMB BOB, RAISE MAST @ 1700 HRS	
17:00	06:00	13.0 RURT/ INSTALL SPACER SPOOL ON WELLHEAD	
		RIG UP #2 INDEPENDENT MUD PUMP (PLUMBING & CONTROL LINES).	

EST. SPUD TIME: 0600 ON 1/19/09

NO ACCIDENTS OR INCIDENTS REPORTED, FULL CREWS

SAFETY MTGS: RIG MOVE & RIG UP

FUEL: 1100, USED 1200.

**Activity Description** 

## NIGHTMAN / KELLY SPOONTS

01-19-2009	Re	eported By	R.	DYSART, K. S	POONTS						
DailyCosts:	Drilling	\$89,	529	Con	pletion	\$0		Daily	Total	\$89,629	
<b>Cum Costs:</b>	Drilling	\$392	,898	Con	pletion	\$0		Well 7	otal	\$392,898	
MD	2,670	TVD	2,670	Progress	111	Days	1	MW	8.5	Visc	28.0
Formation:			<b>PBTD</b> : 0	0.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: DRILLING @ 2670'

End

Start

06:00 12:00 6.0 RURT, TIE IN INDEPENDENT MUD PUMP, CEMENT UP CELLAR TO TO BOTTOM OF BASE PLATE.

12:00	18:00	6.0 START DAY WORK @ 1200 HRS ON 01/18/09. TEST BOPE AS PER PROGRAM. NOTIFIED BLM VERNAL OFFICE VIA EMAIL ON 01/17/09 @ 1800 HRS FOR BOP TEST. INSIDE BOP, SAFETY VALVE, UPPER/LOWER KELLY COCK 250/5000 PSI 5/10 MIN. HCR, CHOKE LINE, KILL LINE, 250/5000 PSI 5/10 MIN. CHOKE MANIFOLD, 250/5000 PSI 5/10 MIN. PIPE RAMS, BLIND RAMS, 250/5000 PSI 5/10 MIN.
		ANNULAR, 250/2500 PSI 5/10 MIN.
		TEST 9 5/8" CASING TO1500 PSI 30 MIN.
18:00	20:00	2.0 WAIT ON FMC, DELIVERY OF CORRECT WEAR BUSHING
20:00	20:30	0.5 R/U LAY DOWN MACHINE AND HOLD S/M W/LAY DOWN CREW.
20:30	02:00	5.5 P/U DIRECTION TOOLS & BHA.
		TRIP IN HOLE & TAG CEMENT @ 2500'
		RIG DOWN L/D MACHINE
02:00	03:00	1.0 DRILL CEMENT/FLOAT EQUIP. FROM 2500' TO 2559' F/C @ 2515' SHOE @ 2559' (AUTO DRILLER DOWN)
		DRILL 10' RAT HOLE TO 2569'
03:00	03:30	0.5 CIRC HOLE, SPOT HI–VIS LCM PILL ON BOTTOM, PULL BIT INTO SHOE, CONDUCT FIT WITH 8.5 PPG FLUID, 10.7 EMW (290 PSI)
03:30	06:00	2.5 DRILL ROTATE 2569' TO 2670' (101') ROP 40
		WOB 8/16K, RPM 55/65 + 68, GPM 420, PSI 1200
		M/W 8.5, VIS 28 (DRILL PIPE SCREEN IN USE)
		NO ACCIDENT OR INCIDENTS REPORTED, FULL CREWS, CHECK COM
		SAFETY MTGS: TEST BOPE, PICK UP BHA
		FUEL: 8600, RECEIVED 8000
		MUD LOGGER RIGGED UP, DAY 1.

06:00 SPUD 8 7/8" HOLE W/ROTARY TOOLS @ 03:30 HRS, 1/19/09.

R. DYSART, K. SPOONTS

01-20-2009

Reported By

s: Drilling	\$	74,672	Con	npletion	\$0		Dail	y Total	\$74,672	
s: Drilling	\$	467,570	Completion		\$0		Well	Total	\$467,570	
3,382	TVD	3,382	Progress	712	Days	2	MW	11.6	Visc	51.0
ı:		<b>PBTD</b> : 0.	0		Perf:		<b>PKR Depth</b> : 0.0			
t Report Ti	me: DRII	LLING @ 3382'								
End	Hrs	<b>Activity Desc</b>	ription							
09:00	3.0	DRILL ROTATI	E 2670' TO 288	4', WOB 8	/16K, RPM 5	5/65 + 68, G	PM 420, PSI	1200		
		M/W 8.5, VIS 2	8 (DRILL PIPE	SCREEN	IN USE).					
11:00	2.0				550' (CASINO	G SHOE). LO	OCATE & RE	PAIR AIR LE	AK ON RIG AI	R
11:30	0.5	SERVICE RIG.								
16:00	4.5	DRILL ROTATI	E 2884' TO 323	2' (348') R	OP 77, WOB	16/20K, RPI	M 55/65 + 68	, GPM 420, PS	SI 1200/1400	
		M/W 8.6, VIS 3	4.							
18:00	2.0			' DIVERT	THROUGH	SEPERATOR	R, CIRCULA	ΓE SYSTEM 4	120 GPM, WEIG	GHT UP
20:00	2.0	CIRCULATE H	OLE & FLARE	GAS.						
22:00	2.0	CIRCULATE &	FLARE, WEIG	GHT UP SY	YSTEM TO 1	1 PPG.				
	3,382  1:  1: Report Tin  End  09:00  11:00  11:30  16:00  18:00  20:00	s: Drilling \$ 3,382 TVD  1: EReport Time: DRI End Hrs 09:00 3.0  11:00 2.0  11:30 0.5 16:00 4.5  18:00 2.0  20:00 2.0	\$3,382 TVD 3,382  1: PBTD: 0.  2 Report Time: DRILLING @ 3382'  End Hrs Activity Description  09:00 3.0 DRILL ROTATI  M/W 8.5, VIS 2  11:00 2.0 TRIP OUT OF I  SYSTEM, TRIP  11:30 0.5 SERVICE RIG.  16:00 4.5 DRILL ROTATI  M/W 8.6, VIS 3  18:00 2.0 SURFACE GAS  FROM 8.6 PPG  20:00 2.0 CIRCULATE H	\$\text{s: Drilling}  \\$467,570  \text{Con} \\ 3,382  \text{TVD}  3,382  \text{Progress} \\ \text{a: PBTD: 0.0} \\ \text{d: Report Time: DRILLING @ 3382'}  End Hrs  \text{Activity Description} \\ 09:00  3.0  \text{DRILL ROTATE 2670' TO 288} \\   \text{M/W 8.5, VIS 28 (DRILL PIPE} \\ 11:00  2.0  \text{TRIP OUT OF HOLE FROM 2} \\  \text{SYSTEM, TRIP IN HOLE TO 323} \\  \text{M/W 8.6, VIS 34.} \\ 18:00   2.0  \text{SURFACE GAS KICK @ 3232} \\  \text{FROM 8.6 PPG TO 10.5 PPG.} \\ 20:00  2.0  \text{CIRCULATE HOLE & FLARE}	s: Drilling         \$467,570         Completion           3,382         TVD         3,382         Progress         712           1:         PBTD: 0.0         PBTD: 0.0 <td>s: Drilling         \$467,570         Completion         \$0           3,382         TVD         3,382         Progress         712         Days           1:         PBTD: 0.0         Perf:           2:         Report Time: DRILLING @ 3382'           End         Hrs         Activity Description           09:00         3.0         DRILL ROTATE 2670' TO 2884', WOB 8/16K, RPM 5           M/W 8.5, VIS 28 (DRILL PIPE SCREEN IN USE).         11:00           2.0         TRIP OUT OF HOLE FROM 2884' TO 2550' (CASING SYSTEM, TRIP IN HOLE TO 2884'.           11:30         0.5         SERVICE RIG.           16:00         4.5         DRILL ROTATE 2884' TO 3232' (348') ROP 77, WOB M/W 8.6, VIS 34.           18:00         2.0         SURFACE GAS KICK @ 3232' DIVERT THROUGH S FROM 8.6 PPG TO 10.5 PPG.           20:00         2.0         CIRCULATE HOLE &amp; FLARE GAS.</td> <th>\$\text{s: Drilling}  \\$467,570  \text{Completion}  \\$0  3,382  \text{TVD}  3,382  \text{Progress}  712  \text{Days}  2  \$\text{a: PBTD: 0.0 Perf:}  \$\text{Report Time: DRILLING @ 3382'}  End Hrs  \text{Activity Description}  \text{3.0 DRILL ROTATE 2670' TO 2884', WOB 8/16K, RPM 55/65 + 68, Gr. M/W 8.5, VIS 28 (DRILL PIPE SCREEN IN USE).  \$\text{11:00}  \text{2.0 TRIP OUT OF HOLE FROM 2884' TO 2550' (CASING SHOE). LOSYSTEM, TRIP IN HOLE TO 2884'.}  \$\text{11:30}  0.5 SERVICE RIG.}  \$\text{16:00}  4.5 DRILL ROTATE 2884' TO 3232' (348') ROP 77, WOB 16/20K, RPIM/W 8.6, VIS 34.}  \$\text{18:00}  2.0 SURFACE GAS KICK @ 3232' DIVERT THROUGH SEPERATOR FROM 8.6 PPG TO 10.5 PPG.}  \$\text{20:00}  2.0 CIRCULATE HOLE &amp; FLARE GAS.}</th> <th>\$\text{s: Drilling}  \\$467,570  \text{Completion}  \\$0  \text{Well} \\ 3,382  \text{TVD}  \text{3,382}  \text{Progress}  \text{712}  \text{Days}  \text{2}  \text{MW} \\ \text{a: PBTD: 0.0 Perf:} \\ \text{Report Time: DRILLING @ 3382'}  \text{End Hrs Activity Description} \\ 09:00  \text{3.0 DRILL ROTATE 2670' TO 2884', WOB 8/16K, RPM 55/65 + 68, GPM 420, PSI \\ M/W 8.5, VIS 28 (DRILL PIPE SCREEN IN USE).  \text{11:00}  \text{2.0 TRIP OUT OF HOLE FROM 2884' TO 2550' (CASING SHOE). LOCATE &amp; RE \\ SYSTEM, TRIP IN HOLE TO 2884'.  \text{11:30}  \text{0.5 SERVICE RIG.} \\ 16:00  \text{4.5 DRILL ROTATE 2884' TO 3232' (348') ROP 77, WOB 16/20K, RPM 55/65 + 68 \\ M/W 8.6, VIS 34.  \text{18:00}  \text{2.0 SURFACE GAS KICK @ 3232' DIVERT THROUGH SEPERATOR, CIRCULA' \\ FROM 8.6 PPG TO 10.5 PPG.    \text{20:00}  \text{2.0 CIRCULATE HOLE &amp; FLARE GAS.}</th> <th>\$\text{Si Drilling}\$ \\$467,570\$ Completion \\$0 Well Total  3,382 TVD 3,382 Progress 712 Days 2 MW 11.6  1: PBTD: 0.0 Perf: PKR Depte Report Time: DRILLING @ 3382'  End Hrs Activity Description  09:00 3.0 DRILL ROTATE 2670' TO 2884', WOB 8/16K, RPM 55/65 + 68, GPM 420, PSI 1200  M/W 8.5, VIS 28 (DRILL PIPE SCREEN IN USE).  11:00 2.0 TRIP OUT OF HOLE FROM 2884' TO 2550' (CASING SHOE). LOCATE &amp; REPAIR AIR LE SYSTEM, TRIP IN HOLE TO 2884'.  11:30 0.5 SERVICE RIG.  16:00 4.5 DRILL ROTATE 2884' TO 3232' (348') ROP 77, WOB 16/20K, RPM 55/65 + 68, GPM 420, PSM/W 8.6, VIS 34.  18:00 2.0 SURFACE GAS KICK @ 3232' DIVERT THROUGH SEPERATOR, CIRCULATE SYSTEM 4 FROM 8.6 PPG TO 10.5 PPG.  20:00 2.0 CIRCULATE HOLE &amp; FLARE GAS.</th> <td>s: Drilling \$467,570</td>	s: Drilling         \$467,570         Completion         \$0           3,382         TVD         3,382         Progress         712         Days           1:         PBTD: 0.0         Perf:           2:         Report Time: DRILLING @ 3382'           End         Hrs         Activity Description           09:00         3.0         DRILL ROTATE 2670' TO 2884', WOB 8/16K, RPM 5           M/W 8.5, VIS 28 (DRILL PIPE SCREEN IN USE).         11:00           2.0         TRIP OUT OF HOLE FROM 2884' TO 2550' (CASING SYSTEM, TRIP IN HOLE TO 2884'.           11:30         0.5         SERVICE RIG.           16:00         4.5         DRILL ROTATE 2884' TO 3232' (348') ROP 77, WOB M/W 8.6, VIS 34.           18:00         2.0         SURFACE GAS KICK @ 3232' DIVERT THROUGH S FROM 8.6 PPG TO 10.5 PPG.           20:00         2.0         CIRCULATE HOLE & FLARE GAS.	\$\text{s: Drilling}  \\$467,570  \text{Completion}  \\$0  3,382  \text{TVD}  3,382  \text{Progress}  712  \text{Days}  2  \$\text{a: PBTD: 0.0 Perf:}  \$\text{Report Time: DRILLING @ 3382'}  End Hrs  \text{Activity Description}  \text{3.0 DRILL ROTATE 2670' TO 2884', WOB 8/16K, RPM 55/65 + 68, Gr. M/W 8.5, VIS 28 (DRILL PIPE SCREEN IN USE).  \$\text{11:00}  \text{2.0 TRIP OUT OF HOLE FROM 2884' TO 2550' (CASING SHOE). LOSYSTEM, TRIP IN HOLE TO 2884'.}  \$\text{11:30}  0.5 SERVICE RIG.}  \$\text{16:00}  4.5 DRILL ROTATE 2884' TO 3232' (348') ROP 77, WOB 16/20K, RPIM/W 8.6, VIS 34.}  \$\text{18:00}  2.0 SURFACE GAS KICK @ 3232' DIVERT THROUGH SEPERATOR FROM 8.6 PPG TO 10.5 PPG.}  \$\text{20:00}  2.0 CIRCULATE HOLE & FLARE GAS.}	\$\text{s: Drilling}  \\$467,570  \text{Completion}  \\$0  \text{Well} \\ 3,382  \text{TVD}  \text{3,382}  \text{Progress}  \text{712}  \text{Days}  \text{2}  \text{MW} \\ \text{a: PBTD: 0.0 Perf:} \\ \text{Report Time: DRILLING @ 3382'}  \text{End Hrs Activity Description} \\ 09:00  \text{3.0 DRILL ROTATE 2670' TO 2884', WOB 8/16K, RPM 55/65 + 68, GPM 420, PSI \\ M/W 8.5, VIS 28 (DRILL PIPE SCREEN IN USE).  \text{11:00}  \text{2.0 TRIP OUT OF HOLE FROM 2884' TO 2550' (CASING SHOE). LOCATE & RE \\ SYSTEM, TRIP IN HOLE TO 2884'.  \text{11:30}  \text{0.5 SERVICE RIG.} \\ 16:00  \text{4.5 DRILL ROTATE 2884' TO 3232' (348') ROP 77, WOB 16/20K, RPM 55/65 + 68 \\ M/W 8.6, VIS 34.  \text{18:00}  \text{2.0 SURFACE GAS KICK @ 3232' DIVERT THROUGH SEPERATOR, CIRCULA' \\ FROM 8.6 PPG TO 10.5 PPG.    \text{20:00}  \text{2.0 CIRCULATE HOLE & FLARE GAS.}	\$\text{Si Drilling}\$ \\$467,570\$ Completion \\$0 Well Total  3,382 TVD 3,382 Progress 712 Days 2 MW 11.6  1: PBTD: 0.0 Perf: PKR Depte Report Time: DRILLING @ 3382'  End Hrs Activity Description  09:00 3.0 DRILL ROTATE 2670' TO 2884', WOB 8/16K, RPM 55/65 + 68, GPM 420, PSI 1200  M/W 8.5, VIS 28 (DRILL PIPE SCREEN IN USE).  11:00 2.0 TRIP OUT OF HOLE FROM 2884' TO 2550' (CASING SHOE). LOCATE & REPAIR AIR LE SYSTEM, TRIP IN HOLE TO 2884'.  11:30 0.5 SERVICE RIG.  16:00 4.5 DRILL ROTATE 2884' TO 3232' (348') ROP 77, WOB 16/20K, RPM 55/65 + 68, GPM 420, PSM/W 8.6, VIS 34.  18:00 2.0 SURFACE GAS KICK @ 3232' DIVERT THROUGH SEPERATOR, CIRCULATE SYSTEM 4 FROM 8.6 PPG TO 10.5 PPG.  20:00 2.0 CIRCULATE HOLE & FLARE GAS.	s: Drilling \$467,570

22:00	22:30	0.5 DRILL ROTATE 3232' TO 3288', 30'/70' FLARE.
22:30	03:00	4.5 CIRCULATE & FLARE, MUD WEIGHT 11 PPG, 30'/70' FLARE.
03:00	04:00	1.0 SHUT IN WELL. CIRCULATE ON FULL OPEN CHOKE, 100 SPM, 1200 PSI,
04:00	05:00	1.0 LOSS OF RETURNS NO FLARE, OPEN UP WELL, CIRC 62 SPM, 450 PSI, CUT MUD WEIGHT BACK TO 10.5, ADD LCM, REGAIN CIRCULATION.
05:00	06:00	$1.0 \ \ DRILL \ ROTATE \ 3288' \ TO \ 3382' \ (94') \ ROP \ 94, \ WOB \ 18/20 K, \ RPM \ 60/65 + 56, 350 \ GPM, 1850$
		10.5, VIS 36 PARTIAL RETURNS

NO ACCIDENT OR INCIDENTS REPORTED, FULL CREWS, CHECK COM

SAFETY MTGS: DRILLING, WELL CONTROL, BOP DRILL DAYLIGHTS: 60 SEC

FUEL: 7100, USED 1500 BOILER 24 HRS

MUD LOGGER: DAY 2

01-21-2009	Re	eported By	R.	. DYSART, K. S	POONTS						
DailyCosts:	Drilling	\$49,40	9	Con	npletion	\$0		Daily	Total	\$49,409	
<b>Cum Costs:</b>	Drilling	\$516,9	980	Con	npletion	\$0		Well '	<b>Fotal</b>	\$516,980	
MD	4,750	TVD	4,749	Progress	1,368	Days	3	MW	10.6	Visc	38.0
Formation:			<b>PBTD</b> : 0	0.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: DRILLING @ 4750'

Start	End	Hrs Activity Description
06:00	07:30	1.5 DRILL ROTATE 3382' TO 3446' (64') ROP 42
		WOB 16/20K, RPM 60/65 + 68, GPM 420, PSI 1700/1900, MW 10.9, VIS 37.
07:30	08:00	0.5 DRILL SLIDE 3446' TO 3461'
08:00	10:30	2.5 ROTATE F/3461–3634' (173' @ 69.2'/HR) 14–18K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1850 PSI.
		MUD WT. 10.8 35 VIS.
10:30	11:00	0.5 SLIDE F/3634–3644' (10' @ 20'/HR) 20K WOB, 10M TFO, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.8 35 VIS.
11:00	13:00	2.0 ROTATE F/3644–3825' (181' @ 90.5'/HR) 14–18K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1850 PSI.
		MUD WT. 10.8 35 VIS.
13:00	13:30	0.5 SLIDE F/3825-3839' (14' @ 28'/HR) 20K WOB, 5M TFO, 67 MOTOR, 419 GPM, 1600-1800 PSI.
		MUD WT. 10.8 35 VIS.
13:30	14:30	1.0 ROTATE F/3939–3920' (81' @ 81'/HR) 16K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1850 PSI.
		MUD WT. 10.8 35 VIS.
14:30	15:00	0.5 SLIDE F/3920–3940' (20' @ 40'/HR) 20K WOB, 350M TFO, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.8 36 VIS.
15:00	16:00	$1.0\ \ ROTATE\ F/3940-4014'\ (74'\ @\ 74'/HR)\ 16-20K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1650-1800\ PSI.$
		MUD WT. 10.8 35 VIS.
16:00	16:30	0.5 SLIDE F/4014–4039' (25' @ 50'/HR) 20K WOB, 350M TFO, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.7 36 VIS.
16:30	17:00	0.5 SERVICE RIG.
17:00	18:00	$1.0\ \ ROTATE\ F/4039-4110'\ (71'\ @\ 71'/HR)\ 16-20K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI.$
		MUD WT. 10.7 36 VIS.
18:00	18:30	0.5 SLIDE F/4110–4130' (20' @ 40'/HR) 10K WOB, 30M TFO, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.7 36 VIS.
18:30	19:30	$1.0\ \ ROTATE\ F/4130-4205'\ (75'\ @\ 75'/HR)\ 16-18K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI.$
		MUD WT. 10.7 36 VIS.

19:30	20:00	0.5 SLIDE F/4205-4225' (20' @ 40'/HR) 13K WOB, 350M TFO, 67 MOTOR, 419 GPM, 1600-1700 PSI.
		MUD WT. 10.7 36 VIS.
20:00	22:00	$2.0\ \ ROTATE\ F/4225-4299'\ (74'\ @\ 37'/HR)\ 16-18K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI.$
		MUD WT. 10.7 36 VIS.
22:00	23:00	1.0 SLIDE F/4299–4420' (21' @ 40'/HR) 13K WOB, 30M TFO, 67 MOTOR, 419 GPM, 1600–1700 PSI.
		MUD WT. 10.7 36 VIS.
23:00	00:00	$1.0\ \ ROTATE\ F/4420-4490'\ (70'\ @\ 70'/HR)\ 16-18K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI.$
		MUD WT. 10.7 36 VIS.
00:00	00:30	0.5 SLIDE F/4490–4511' (21' @ 42'/HR) 13–15K WOB, 350M TFO, 67 MOTOR, 419 GPM, 1600–1700 PSI.
		MUD WT. 10.7 36 VIS.
00:30	01:30	$1.0\ \ ROTATE\ F/4511-4583'\ (72'\ @\ 72'/HR)\ 16-18K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI.$
		MUD WT. 10.6 38 VIS.
01:30	02:30	1.0 SLIDE F/4583–4603' (20' @ 20'/HR) 13–15K WOB, 30M TFO, 67 MOTOR, 419 GPM, 1600–1700 PSI.
		MUD WT. 10.6 38 VIS.
02:30	04:00	$1.5\ \ ROTATE\ F/4603-4670'\ (67'\ @\ 44.8/HR)\ 16-18K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI.$
		MUD WT. 10.6 38 VIS.
04:00	05:00	1.0 SLIDE F/4670–4696' (26' @ 26'/HR) 13–15K WOB, 30M TFO, 67 MOTOR, 419 GPM, 1600–1700 PSI.
		MUD WT. 10.6 38 VIS.
05:00	06:00	$1.0\ \ ROTATE\ F/4696-4750'\ (54'\ @\ 54/HR)\ 16-18K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI.$
		MUD WT. 10.6 38 VIS.
		SAFETY MEETINGS: FALL PROTECTION, 100% TIE OFF.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 5100 GAL. USED TODAY: 2200 GAL.
		BOILER 24 HOURS.
		FORMATION: MAHOGONY OIL SHALE, NO LOSSES, NO FLARE.
		MUD LOGGER: DAY 3

01-22-2009 Reported By			W	W BEARDSLEY, J SCHLENKER								
DailyCosts: Drilling \$110,114		,114	<b>Completion</b> \$0			Daily Total			\$110,114			
<b>Cum Costs: Drilling</b>		\$627,094		Completion		\$0		Well Total		\$627,094		
<b>MD</b> 5,7	50	TVD	5,749	Progress	1,000	Days	4	MW	10.5	Visc	40.0	
Formation: PBTD			<b>PBTD</b> : (	<b>:</b> 0.0 <b>Perf :</b>				PKR Depth: 0.0				
Activity at Repor	Activity at Report Time: DRILLING @ 5750'											

Activity at	Report Ti	me: DRII	LLING @ 5750'
Start	End	Hrs	Activity Description
06:00	12:00	6.0	$ \begin{tabular}{l} {\bf ROTATE/SLIDE}\ F/4750-4927\ (177\ @\ 29.5/HR)\ 10-20K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI. \end{tabular} $
			SLIDES: 4772–4789', 4865–4871' @ 350 TO 30 MTF, TOTAL 23'
			MUD WT. 10.4 38 VIS.
12:00	12:30	0.5	SERVICE RIG.
12:30	13:00	0.5	WORK ON PUMP.
13:00	06:00	17.0	$ \begin{tabular}{l} {\bf ROTATE/SLIDE}\ F/4927-5750'\ (823'\ @\ 48.4/HR)\ 10-20K\ WOB,\ 50-60\ RPM\ ROTARY,\ 67\ MOTOR,\ 419\ GPM,\ 1600-1800\ PSI. \end{tabular} $
			SLIDES: 4958–4968', 5052–5062', 5148–5158' @ 350 TO 30 MTF, TOTAL 30'

MUD WT. 10.5 40 VIS.

SAFETY MEETINGS: WORKING THE BOARD, 100% TIE OFF.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 2900 GAL. USED TODAY: 2200 GAL.

BOILER 24 HOURS.

FORMATION: WASATCH, NO LOSSES, NO FLARE

MUD LOGGER: DAY 4

01-23-2009	Re	eported By	W	W BEARDSLEY, J SCHLENKER							
DailyCosts:	Drilling	\$95,8	369	Con	pletion	\$0		Daily	Total	\$95,869	
<b>Cum Costs:</b>	Drilling	\$722	,963	Con	pletion	\$0		Well 7	<b>Fotal</b>	\$722,963	
MD	6,373	TVD	6,373	Progress	624	Days	5	MW	10.4	Visc	39.0
Formation: Pl		<b>PBTD</b> : 0	.0		Perf:			PKR Der	oth: 0.0		

Activity at Report Time: TIH WITH BUILD ASSEMBLY

Start	End	Hrs	Activity Description
06:00	16:00	10.0	$ DRILL\ ROTATE\ 5749'-6341'\ (592'\ @\ 59.2/HR)\ WOB\ 16/20,000,\ RPM\ 60+67MM,\ 420\ GPM,\ 18/2000\ PSI. $
			MW 10.4, VIS 41.
16:00	16:30	0.5	SERVICE RIG.
16:30	17:00	0.5	DRILL ROTATE 6341'–6373' (32' @ 64/HR) SAME PARAMETERS AS ABOVE. MW 10.4, VIS 41.
17:00	17:30	0.5	CIRCULATE FOR TRIP TO CHANGE BHA, PUMP SLUG.
17:30	21:00	3.5	TOOH, HOLE TAKING FLUID, LOST 80 BBLS OF MUD.
21:00	00:30	3.5	PU DIRECTIONAL TOOLS, 8 3/4" BIT – FMHX853Z AND TRIP TO SHOE.
00:30	03:30	3.0	CHANGE OUT KELLY REQUIRED TO RUN DIRECTIONAL TOOLS, RU MDS SENSORS.
03:30	05:00	1.5	TIH TO 4510', ENCOUNTERED TIGHT SPOT, LD 3 JTS, WASH & REAM BACK IN, LOST 60 BBLS OF MUD.
05:00	06:00	1.0	WASH & REAM, BUILD MUD VOLUME.

SAFETY MEETINGS, TRIPPING PIPE & CHANGE OUT KELLY.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 8,800 GAL. USED TODAY: 2,100 GAL.(RECD 8,000 GAL @ \$2.26/GAL)

BOILER 24 HOURS.

FORMATION: BUCK CANYON, NO FLARE

LOST 150 BBLS OF MUD. MUD LOGGER: DAY 5

01-24-2009	Re	ported By	W	BEARDSLEY,	J SCHLEN	NKER					
DailyCosts: I	Prilling	\$64,2	86	Com	pletion	\$0		Daily	Total	\$64,286	
Cum Costs: I	Orilling	\$787.	,859	Com	pletion	\$0		Well	Total	\$787,859	
MD	6,440	TVD	6,440	Progress	67	Days	6	MW	10.5	Visc	38.0
Formation: PB		<b>PBTD</b> : 0	0.0		Perf:			PKR Dep	oth: 0.0		

Activity at Report Time: DRILLING @ 6440'

Start	End	Hrs	Activity Description
06:00	06:30	0.5	TRIP IN HOLE WITH CURVE ASS. TO 4858'. TAGGED UP, TIGHT HOLE.
			MUD WT. 10.4 VIS 38.
06:30	07:00	0.5	WASH/REAM F/4858–4967'.
			MUD WT. 10.4, VIS 38.
07:00	07:30	0.5	TRIP IN HOLE F/4967–5772'. TAGGED UP, TIGHT HOLE.
			MUD WT. 10.4 VIS 38.
07:30	08:30	1.0	WASH/REAM F/5772–5881'.
			MUD WT. 10.4 VIS 38.
08:30	09:00	0.5	TRIP IN HOLE TO 6024'.
			MUD WT. 10.4 VIS 38.
09:00	11:00	2.0	WORK TIGHT HOLE @ $5990-6000$ '. PACKED OFF, WILL NOT CIRCULATE. WORK PIPE, ROLL PUMP. WORK OUT 3 JOINTS, PIPE FREE, REGAIN CIRCULATION.
			MUD WT. 10.4 VIS 38.
11:00	12:00	1.0	CIRCULATE, PUMP HI-VIS SWEEP. NO LARGE CUTTINGS OVER SHAKER.
			MUD WT. 10.4 VIS 38.
12:00	13:30	1.5	CIRCULATE, LAY DOWN 11 JTS WITH KELLY TO 5500', NO TIGHT HOLE.
			MUD WT. 10.4 VIS 38.
13:30	14:30	1.0	PUMP HI-VIS SWEEP.
			MUD WT 10.5 VIS 38.
14:30	15:30	1.0	LAY DOWN 12 JTS WITH BLOCK, PULL 8 STANDS TO 4450', ABOVE FIRST TIGHT HOLE ON TRIP IN. HOLE CLEAN, NO EXCESSIVE OVERPULL.
			MUD WT. 10.5, VIS 38.
15:30	16:00	0.5	TRIP IN HOLE 12 STANDS TO 5581'. NO TIGHT HOLE.
			MUD WT. 10.5 VIS 38.
16:00	19:00	3.0	WASH/REAM F/5581–6373'. CLEAN HOLE TO 6038'. INTERMITTENT SPOTS FROM 2–6' IN LENGTH FROM 6038–6373' REQUIRING SLOWER REAMING TO CLEAN OUT. REAMED ANY TIGHTER SECTIONS 2–3 TIMES.
19:00	19:30	0.5	SERVICE RIG.
19:30	06:00	10.5	DRILL (SLIDE & ROTATE) F/6373–6440' (67' @ 6.4'/HR) 8–18K WOB, 225 MTF, 405 GPM, 0–30 RPM ROTARY, 81 RPM MOTOR, $2000-2300$ PSI.
			DIFFICULTY SLIDING, HANGING UP. WORKED PIPE, ROTATED TO ATTEMPT TO CLEAN UP.
			ROTATED 6378–6380, 6392–6395', 6403–6411'.
			STARTED LOSING MUD @ APPROX. 2200, 6380–6385'. LOST 200–250 BBL MUD, TRANSFERRED PRE–MIXED MUD, BUILDING VOLUME. RAN MULTIPLE MICA/SAWDUST/NUTPLUG SWEEPS. LOSSES STABILIZED.
			MUD WT. 10.5, VIS 38.
			SAFETY MEETINGS, TRIPPING PIPE , LAST DAY.
			FULL CREWS BOTH TOURS.
			NO INCIDENTS/ACCIDENTS REPORTED.
			COM CHECKED BY BOTH TOURS.
			FUEL ON HAND: 7000 GAL. USED TODAY: 1800 GAL.
			BOILER 24 HOURS.
			FORMATION: BUCK CANYON, NO FLARE
			MUD LOGGER: DAY 6.
01-25-2009	9 F	Reported I	By W BEARDSLEY, J SCHLENKER

\$0

Completion

DailyCosts: Drilling

\$59,361

**Daily Total** 

\$59,361

<b>Cum Costs: Drilling</b>		\$84	17,221	Completion		\$0			Wel	l Total	\$847,221		
MD	6,463	TVD	6,462	Progress	23	Days		7	MW	10.5	Visc	40.0	
Formation	n:		<b>PBTD</b> : 0.0	)		Perf:				PKR Dep	<b>th</b> : 0.0		
Activity a	t Report Ti	me: TIH											
Start	End	Hrs A	Activity Descr	iption									
06:00	20:00	14.0 Г	DRILL (SLIDE) MOTOR, 2000–2	F/6440-6463' (	(23' @ 1.6	'/HR) 8–28	K WOB,	225 M	TF, 405 GI	PM, 0–30 RPM	ROTARY, 81	RPM	
		I- S	HANGING UP I SLIDE, NUTPL	ANGING UP BADLY, UNABLE TO SLIDE. PUMP SWEEPS W/BEADS, CAL CARB,MICA, DRILL ZONE, QU LIDE, NUTPLUG. DID NOT HELP. CONTINUE TO WORK PIPE, ROCK ROTARY TABLE, ATTEMPT TO SHAI EIGHT TO BIT, UNABLE TO DRILL EFFECTIVELY.									
		N	MUD WT 10.5,	VIS 38.									
20:00	21:00	1.0 P	PUMP HI–VIS S	SWEEP, CIRCU	LATE BC	TTOMS UI	Р.						
		N	MUD WT 10.5,	VIS 41.									
21:00	02:00	5.0 T	TRIP OUT OF H	IOLE FOR BHA	A CHANG	E. NO TIG	HT HOLI	Ξ.					
		N	MUD WT 10.5,	VIS 41.									
02:00	03:00		LAY DOWN ST AGITATOR, LA							R. MOVE SHOO	CK SUB TO T	OP OF	
		N	MUD WT 10.5,	VIS 41.									
03:30	06:00	2.5 T	RIP IN HOLE	WITH BHA #3.									
		N	MUD WT 10.5,	VIS 40.									
		S	SAFETY MEET	INGS: LAST D	AY, NEW	CREW.							
		F	FULL CREWS I	BOTH TOURS.									
		N	NO INCIDENTS	S/ACCIDENTS	REPORTI	ED.							
		C	COM CHECKE	Э ВҮ ВОТН ТО	OURS.								
		F	FUEL ON HAN	D: 3966 GAL.	USED T	ODAY: 303	4 GAL.						
		E	BOILER 24 HO	URS.									
		F	FORMATION: E	BUCK CANYO	N, NO FL	ARE. NO M	IUD LOS	SES.					
		N	MUD LOGGER	: DAY 7.									
01-26-20	009 Re	eported By	y W ]	BEARDSLEY, J	SCHLEN	NKER							
DailyCost	ts: Drilling	\$54,578		Completion		\$0		Da		y Total	\$54,578		
Cum Cos	ts: Drilling	\$90	02,079	Completion		\$0		Well T		l Total	\$902,079		
MD	6,650	TVD	6,648	Progress	187	Days		8	MW	10.5	Visc	40.0	
Formation		1,2	<b>PBTD</b> : 0.0	0		Perf:			1,1,1	PKR Dep			
		me: DRILI	LING @ 6650'	,		1011.				i KK Dep	<b></b> 0.0		
Start	End	Hrs A	Activity Descr	iption									
06:00	11:00	5.0 A	ATTEMPTED TO CORRECTLY FOR	O FILL PIPE, #									
		N	MUD WT 10.5,	VIS 40.									
11:00	12:00	1.0 T	TRIP IN HOLE	TO 4718, TAGO	GED UP.								
		N	MUD WT. 10.5,	VIS 40.									
12:00	13:30		ATTEMPT TO S METAL BELOW			E STICKIN	IG ON #2	PUMI	P, TEAR D	OWN SAME, F	OUND PIEC	E OF	
		N	MUD WT. 10.5,	VIS 40.									
13:30	14:00	0.5 S	SERVICE RIG.										
					Do	ge 10							

		MUD WT 10.5, VIS 40.
14:00	14:30	0.5 KELLY UP, WASH/REAM F/4698-4742'.
		MUD WT 10.5, VIS 40.
14:30	15:30	$1.0\ \ POOH\ 5\ STANDS\ TO\ CHECK\ FOR\ TIGHT\ HOLE,\ NO\ TIGHT\ HOLE.\ LAY\ DOWN\ 7\ JOINTS\ TO\ REAM\ WITH.$
15:30	16:30	1.0 TRIP IN HOLE TO 6203'.
16:30	17:30	1.0 WASH/REAM F/6203', 6473'. NO HARD REAMING, BUT SOME INCREASED TORQUE & LEDGES LAST 40'. SHAKERS HAVE MODERATE AMOUNT OF FINE CUTTINGS COMING ACROSS, SMALL AMOUNT OF LARGER CUTTINGS AND SPLINTERS.
		MUD WT. 10.5, VIS 40.
17:30	06:00	12.5 DRILL (SLIDE & ROTATE) F/6463–6650' (187' @ 15'/HR) 14–16K WOB, 225 MTF, 410 GPM, 0–30 RPM ROTARY, 81 RPM MOTOR, 1950–2300PSI.
		ROTATED 6491–6500', 6523–6532', 6557–6564'.
		MUD WT 10.5, VIS 40.
		SAFETY MEETINGS: WORKING ON PUMPS, LUBRICATING RIG.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 2047 GAL. USED TODAY: 1919 GAL.
		BOILER 24 HOURS.
		FORMATION: BUCK CANYON, NO FLARE. APPROX. 100 BBL MUD LOSSES.
		MUD LOGGER: DAY 8.

01-27-2009	Re	ported By	V	BEARDSLEY,	J SCHLEN	NKER					
DailyCosts: D	rilling	\$72,	176	Con	npletion	\$0		Daily	Total	\$72,176	
Cum Costs: D	Prilling	\$974	1,256	Con	npletion	\$0		Well '	<b>Total</b>	\$974,256	
MD	6,880	TVD	6,862	Progress	230	Days	9	MW	10.5	Visc	38.0
Formation:			<b>PBTD</b> : (	0.0		Perf:			PKR Dep	oth: 0.0	
Activity at Re	port Ti	me: DRILLI	ING CURVE	@ 6880'							

Activity a	t Report T	ime: DRI	LLING CURVE @ 6880'
Start	End	Hrs	Activity Description
06:00	16:00	10.0	DRILL (SLIDE & ROTATE) F/6650–6749' (99' @ 9.9'/HR) 14–22K WOB, 0–30R GTF, 410 GPM, 0–30 RPM ROTARY, 81 RPM MOTOR, 1950–2300PSI.
			ROTATED 6652–6656'.
			MUD WT 10.5, VIS 40.
16:00	16:30	0.5	SERVICE RIG, FUNCTION PIPE RAMS.
			MUD WT 10.5, VIS 40.
16:30	01:00	8.5	DRILL (SLIDE ) F/6749–6843' (94' @ 11.1'/HR) 14–22K WOB, 0–30R GTF, 410 GPM, 0–30 RPM ROTARY, 81 RPM MOTOR, 1950–2300PSI.
			NO ROTARY DRILLING.
			MUD WT 10.5, VIS 40.
01:00	02:00	1.0	CHANGE SWAB & VALVE IN #2 PUMP, SWITCH TO #1 PUMP, #1 PUMP DISCHARGE FROZEN. THAW SAME.
			MUD WT 10.5, VIS 38.
02:00	06:00	4.0	DRILL (SLIDE) F/6843–6880' (37' @ 9.3'/HR) 14–22K WOB, 0–30R GTF, 410 GPM, 0–30 RPM ROTARY, 81 RPM MOTOR, 1950–2300PSI.
			NO ROTARY DRILLING.
			MUD WT 10.5, VIS 38.

SAFETY MEETINGS: LUBRICATE RIG, 100% TIE OFF.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 4258 GAL RECEIVED: 4000 GAL. USED TODAY: 1789 GAL.

BOILER 24 HOURS.

FORMATION: BUCK CANYON, NO FLARE. APPROX. 200 BBL MUD LOSSES.

MUD LOGGER: DAY 9.

01-28-20	09 Re	eported By	W	BEARDSLEY,	J SCHLEN	NKER					
DailyCost	s: Drilling	\$92,723	3	Con	npletion	\$0		Daily	y Total	\$92,723	
Cum Cost	s: Drilling	\$1,066,	979	Con	npletion	\$0		Well	Total	\$1,066,979	
MD	7,170	TVD	7,031	Progress	290	Days	10	MW	10.5	Visc	40.0
Formation	ı:	I	<b>PBTD</b> : 0.	0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: DRILLING	G @ 7170'								
Start	End	Hrs Acti	vity Desc	ription							
06:00	18:00			& ROTATE) F/PM MOTOR, 22		•	2.7'/HR) 14–1	6K WOB, 0-	-30R GTF, 410	GPM, 0-30 RF	<sup>2</sup> M
		ROTA	ATE 6906-	6909' (3'), 6938	3–6947' (9	), 6969–697	2' (3'), 7000-	-70010' (10').			
		MUE	WT 10.5,	VIS 40.							
18:00	18:30	0.5 SERV	/ICE RIG,	FUNCTION PI	PE RAMS	•					
		MUE	WT. 10.5,	VIS 40.							
18:30	06:00			& ROTATE) F/PM MOTOR, 22		•	2.0'/HR) 14-1	16K WOB, 20	L–20R GTF, 4	410 GPM, 0-30	RPM
		ROTA	ATE 7032-	7042' (10'), 706	61–7068' (	7'), 7088–71	27' (39').				
		MUD	WT 10.5,	VIS 40.							
		FULI NO I COM FUEI BOII FORI MUE	CREWS NCIDENT CHECKE ON HAN LER 24 HO MATION: LOGGER	NORTH HORN :: DAY 10.	REPORTI OURS. RECEIVEI	ED. D: 4500 GAL RE. NO MU	USED TO				
01-29-20	09 Re	eported By	W	BEARDSLEY,	J SCHLEN	NKER					
•	s: Drilling	\$72,495	5	Con	npletion	\$0		Daily	y Total	\$72,495	
Cum Cost	s: Drilling	\$1,139,	475	Con	npletion	\$0		Well	Total	\$1,139,475	
MD	7,435	TVD	7,153	Progress	265	Days	11	MW	10.7	Visc	48.0
Formation	ı:	I	<b>PBTD</b> : 0.	0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: DRILLING	G @ 7435'								
Start	End	Hrs Acti	vity Desc	ription							
06:00	20:00			& ROTATE) F/PM MOTOR, 22		•	2.6'/HR) 14–2	22K WOB, 20	L-60L GTF, 4	410 GPM, 0-30	RPM

 $ROTATE\ 7188-7198'\ (10'),\ 7220-7230'\ (10'),\ 7252-7263'\ (11'),\ 7284-7325'\ (41'),\ 7340-7347'\ (7').$ 

176' TOTAL, 97' SLID, 79' ROTATED.

MUD WT 10.6, VIS 45.

0.5 SERVICE RIG. 20:00 20:30

MUD WT. 10.7. VIS 48.

20:30 06:00 9.5 DRILL (SLIDE & ROTATE) F/7346-7435' (89' @ 9.4'/HR) 14-22K WOB, 20L-60L GTF, 410 GPM, 0-30 RPM

ROTARY, 81 RPM MOTOR, 2200-2500 PSI.

ROTATE 7347-7357' (10'), 7372-7391' (19'), 7410-7415' (5')

89' TOTAL, 55' SLID, 34' ROTATED.

MUD WT 10.7, VIS 48.

SAFETY MEETINGS: JOB DESCRIPTION & RESPONSIBILITY, BOILER SERVICING & SAFETY.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 8194 GAL RECEIVED: 4500 GAL. USED TODAY: 2184 GAL.

BOILER 24 HOURS.

FORMATION: NORTH HORN, NO FLARE. NO MUD LOSSES.

		MU	JD LOGGER	R: DAY 11.							
01-30-20	009 R	eported By	W	BEARDSLEY,	J SCHLEN	NKER					
DailyCos	ts: Drilling	\$61,5	91	Con	npletion	\$0		Dail	y Total	\$61,591	
Cum Cos	ts: Drilling	\$1,20	1,066	Con	npletion	\$0		Well	l Total	\$1,201,066	
MD	7,618	TVD	7,210	Progress	183	Days	12	MW	10.7	Visc	48.0
Formatio	n:		<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	ıt Report Ti	me: DRILLII	NG @ 7618'								
Start	End	Hrs Ac	tivity Desc	ription							
06:00	18:00		`	& ROTATE) F/PM MOTOR, 20		`	/HR) 14–27F	K WOB, 20L	–60L GTF, 38	4 GPM, 0–30 R	PM
				7451' (10'), 74'	`	8'), 7504–751	15' (11')				
				SLID, 29' ROT	ATED.						
			JD WT 10.7,								
18:00	18:30	0.5 SE	RVICE RIG.								
18:30	06:00			& ROTATE) F/PM MOTOR, 20			/HR) 14–30F	K WOB, 20L	–60L GTF, 38	4 GPM, 0–30 R	PM
		RO	TATE 7534-	7544' (10'), 75	57–7559' (2	2'), 7566–757	76' (10')				
		84'	TOTAL, 62'	SLID, 22' ROT	TATED.						
		MU	JD WT 10.7,	VIS 48.							
		SA	FETY MEET	ΓINGS: HOUSI	EKEEPING	, CLEANING	G RIG.				
		FU	LL CREWS	BOTH TOURS	-						
		NC	INCIDENT	S/ACCIDENTS	S REPORTI	ED.					
		CC	М СНЕСКЕ	D BY BOTH T	OURS.						
		FU	EL ON HAN	ID: 6177 GAL	USED TO	ODAY: 2017	GAL.				
		BC	ILER 24 HC	URS.							
		FO	RMATION:	NORTH HORN	, NO FLA	RE. NO MU	D LOSSES.				
		MU	JD LOGGER	R: DAY 12.							

01-31-20	09 Re	ported By		,	J SCHLEN	IXLIX					
DailyCost	s: Drilling	\$79,19	94	Con	pletion	\$0		Dail	y Total	\$79,194	
Cum Cost	ts: Drilling	\$1,280	),261	Con	pletion	\$0		Well	Total	\$1,280,261	
MD	7,755	TVD	7,238	Progress	137	Days	13	MW	10.7	Visc	52.0
Formation	n:		<b>PBTD</b> : 0.	0		Perf:			PKR De <sub>l</sub>	oth: 0.0	
Activity at	t Report Ti	me: DRILLIN	G @ 7755'						-		
Start	End		ivity Desc	rintion							
06:00	18:00	12.0 DRI	LL (SLIDE	& ROTATE) F/ I RPM MOTOR		*	HR) 18–44F	WOB, 20L	-60L GTF, 38-	4–405 GPM, 0–	30 RPM
		ROT	TATE 7625-	7640' (15'), 765	58–7669', (	11'), 7691–76	92' (1')				
		74' 7	ГОТАL, 47'	SLID, 27' ROT	ATED.						
		MUI	D WT 10.7,	VIS 52.							
18:00	18:30	0.5 SER	VICE RIG,	FUNCTION PI	PE RAMS.						
18:30	06:00			& ROTATE) F/			HR) 18–44 <b>k</b>	WOB, 20L	-60L GTF, 38-	4–405 GPM, 0–	30 RPM
		ROT	TATE 7692-	7698' (6'), 7717	7–7723', (6	'). 7747–7755	'(8').				
		63' T	ГОТАL, 43'	SLID, 20' ROT	ATED.						
		MUI	D WT 10.7,	VIS 52.							
		SAF	ETY MEET	TINGS: WINTE	R WEATH	ER, PUTTING	FPIPE IN M	OUSEHOL	E.		
		FUL	L CREWS	BOTH TOURS.							
		NO I	INCIDENT	S/ACCIDENTS	REPORTE	ED.					
		CON	м СНЕСКЕ	D BY BOTH T	OURS.						
		FUE	EL ON HAN	D: 8500 GAL	RECEIVE	D: 4500 GAL.	USED TO	DAY: 2167	GAL.		
		BOI	LER 24 HO	URS.							
				NORTH HORN	, NO FLAI	RE. 50 BBL N	IUD LOSSI	ES.			
		MUI	D LOGGER	a: DAY 13.							
02-01-20	09 Re										
		ported By	W	BEARDSLEY,	J SCHLEN	IKER					
DailyCost	s: Drilling	eported By \$59,20			J SCHLEN	KER \$0		Dail	y Total	\$59,208	
•		_	08	Con					y Total Total	\$59,208 \$1,339,470	
•	s: Drilling	\$59,20	08	Con Con	npletion	\$0 \$0	14	Well		\$1,339,470	52.0
Cum Cost	s: Drilling ts: Drilling 7,770	\$59,20 \$1,339 <b>TVD</b>	98 9,470	Con Con Progress	npletion	\$0 \$0	14	Well	Total	\$1,339,470 <b>Visc</b>	52.0
Cum Cost MD Formation	s: Drilling ts: Drilling 7,770	\$59,20 \$1,339 <b>TVD</b>	0,470 7,240 <b>PBTD:</b> 0.	Con Con Progress	npletion npletion	\$0 \$0 <b>Days</b>	14	Well	<b>Total</b> 10.7	\$1,339,470 <b>Visc</b>	52.0
Cum Cost MD Formation	s: Drilling ts: Drilling 7,770	\$59,20 \$1,339 <b>TVD</b> me: WIPER TI	08 7,470 7,240 <b>PBTD:</b> 0. RIP @ INT.	Con Con Progress 0 ERMEDIATE C	npletion npletion	\$0 \$0 <b>Days</b>	14	Well	<b>Total</b> 10.7	\$1,339,470 <b>Visc</b>	52.0
Cum Cost MD Formation Activity at	s: Drilling ts: Drilling 7,770 n: t Report Ti	\$59,20 \$1,339 <b>TVD</b> me: WIPER TI Hrs Acti 2.5 DRII	9,470 7,240 <b>PBTD:</b> 0. RIP @ INT. <b>ivity Desc</b> : LL (SLIDE	Con Con Progress 0 ERMEDIATE C	npletion 15 ESG PT	\$0 \$0 Days Perf:	OINT. (15'	Well MW	Total 10.7 PKR Dep	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
Cum Cost MD Formation Activity at Start	s: Drilling ts: Drilling 7,770 n: t Report Ti	\$59,20 \$1,339 <b>TVD</b> me: WIPER TI Hrs Acti 2.5 DRII GPM	9,470 7,240 <b>PBTD:</b> 0, RIP @ INT: <b>ivity Desc:</b> LL (SLIDE <i>I</i> , 0–30 RPI	Con Con Progress 0 ERMEDIATE C ription & ROTATE) F/	npletion 15 SG PT 7755–7770 -81 RPM M	\$0 \$0 Days Perf:	OINT. (15'	Well MW	Total 10.7 PKR Dep	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
Cum Cost MD Formation Activity at Start	s: Drilling ts: Drilling 7,770 n: t Report Ti	\$59,20 \$1,339 <b>TVD</b> me: WIPER TI Hrs Acti 2.5 DRII GPM ROT	9,470 7,240 <b>PBTD:</b> 0. RIP @ INT. <b>ivity Desc.</b> LL (SLIDE <i>I</i> , 0–30 RPI	Con Con Progress 0 ERMEDIATE C ription & ROTATE) F/M ROTARY, 76-	npletion 15 2SG PT 7755–7770 -81 RPM M	\$0 \$0 Days Perf:	OINT. (15'	Well MW	Total 10.7 PKR Dep	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
Cum Cost MD Formation Activity at Start	s: Drilling ts: Drilling 7,770 n: t Report Ti	\$59,20 \$1,339 <b>TVD</b> me: WIPER TI Hrs Acti 2.5 DRII GPM ROT 15' T	9,470 7,240 <b>PBTD:</b> 0. RIP @ INT. <b>ivity Desc.</b> LL (SLIDE <i>I</i> , 0–30 RPI	Con Con Progress 0 ERMEDIATE C ription & ROTATE) F/ M ROTARY, 76- 7765' (10'), 776 SLID, 12' ROTA	npletion 15 2SG PT 7755–7770 -81 RPM M	\$0 \$0 Days Perf:	OINT. (15'	Well MW	Total 10.7 PKR Dep	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
Cum Cost MD Formation Activity at Start	s: Drilling ts: Drilling 7,770 n: t Report Ti	\$59,20 \$1,339 TVD  me: WIPER TI  Hrs Acti  2.5 DRII  GPM  ROT  15' T  MUI	98 7,240 <b>PBTD:</b> 0. RIP @ INT. <b>ivity Desc.</b> LL (SLIDE M, 0–30 RPI CATE 7755– FOTAL, 3' S D WT. 10.7,	Con Con Progress 0 ERMEDIATE C ription & ROTATE) F/ M ROTARY, 76- 7765' (10'), 776 SLID, 12' ROTA	npletion 15 2SG PT 7755–7770 -81 RPM N 58–7770', (	\$0 \$0 Days Perf: '. CASING POMOTOR, 2050 2').	DINT. (15' –2650 PSI.	Well MW	Total 10.7 PKR Dep	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
Cum Cost MD Formation Activity at Start 06:00	s: Drilling 7,770 n: t Report Ti End 08:30	\$59,20 \$1,339 TVD  me: WIPER TI  Hrs Acti  2.5 DRII  GPN  ROT  15' T  MUI  2.5 CIRC	98 7,240 <b>PBTD:</b> 0. RIP @ INT. <b>ivity Desc.</b> LL (SLIDE M, 0–30 RPI CATE 7755– FOTAL, 3' S D WT. 10.7,	Con Con Progress 0 ERMEDIATE C ription & ROTATE) F/ M ROTARY, 76- 7765' (10'), 776 SLID, 12' ROTA VIS 50. CONDITION 1	npletion 15 2SG PT 7755–7770 -81 RPM N 58–7770', (	\$0 \$0 Days Perf: '. CASING POMOTOR, 2050 2').	DINT. (15' -2650 PSI.	Well MW	Total 10.7 PKR Dep	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
Cum Cost MD Formation Activity at Start 06:00	s: Drilling 7,770 n: t Report Ti End 08:30	\$59,20 \$1,339 TVD  me: WIPER TI  Hrs Acti  2.5 DRII  GPM  ROT  15' T  MUI  2.5 CIRC  MUI	98 7,240 7,240 PBTD: 0. RIP @ INT ivity Desc: LL (SLIDE I/, 0–30 RPI CATE 7755– FOTAL, 3' S D WT. 10.7, CULATE & D WT. 10.7,	Con Con Progress 0 ERMEDIATE C ription & ROTATE) F/ M ROTARY, 76- 7765' (10'), 776 SLID, 12' ROTA VIS 50. CONDITION 1	npletion 15 CSG PT 7755-7770 -81 RPM N 68-7770', ( TTED.	\$0 \$0  Days Perf:  7. CASING POMOTOR, 2050 2').	DINT. (15' -2650 PSI.	Well MW	Total 10.7 PKR Dep	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
Cum Cost MD Formation Activity at Start 06:00	s: Drilling ts: Drilling 7,770 n: t Report Ti End 08:30	\$59,20 \$1,339  TVD  me: WIPER TI  Hrs Acti  2.5 DRII  GPM  ROT  15' T  MUI  2.5 CIRC  MUI  0.5 PUM	98 7,240 7,240 PBTD: 0. RIP @ INT. ivity Desc. LL (SLIDE M, 0–30 RPI CATE 7755– FOTAL, 3' S D WT. 10.7, CULATE & D WT. 10.7, MP OUT 3 J	Con Con Progress 0 ERMEDIATE C ription & ROTATE) F/ M ROTARY, 76- 7765' (10'), 776 GLID, 12' ROTA VIS 50. CONDITION I VIS 50.	npletion  15  CSG PT  7755–7770  -81 RPM N  68–7770', ( TTED.  MUD, PUN  PRECAUT	\$0 \$0  Days Perf:  CASING POMOTOR, 2050 2').	DINT. (15' –2650 PSI. VEEP.	Well MW  @ 6.0'/HR)	Total 10.7 PKR Dep	\$1,339,470  Visc  oth: 0.0	384–405

18:00	19:00	1.0 REPAIR STAND PIPE 4" VALVE.
19:00	22:30	3.5 MAKE UP 8 3/4" INSERT BIT & BIT SUB, MOVE 8 MORE STANDS OF 4 1/2" DRILL PIPE FOR PUSH PIPE. TIH WITH CLEANOUT ASSEMBLY. TAG @ 5644'.
22:30	23:30	1.0 WASH/REAM F/5644–5677', 5700–5747'. LOST RETURNS, PUMP LCM SWEEP, REDUCE PUMP RATE.
23:30	04:00	4.5 REGAINED RETURNS. LOST 250–300 BBL MUD. BUILD VOLUME, CIRCULATE, PUMP LCM SWEEPS.
04:00	04:30	0.5 TRIP IN HOLE TO 6301', NO TIGHT HOLE.
04:30	06:00	1.5 BUILD VOLUME BEFORE RUNNING INTO CURVE. LOSSES STABILIZED.
		MUD WT 10.7, VIS 52.
		SAFETY MEETINGS: SLIPS & TRIPS, MIXING LCM.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 7059 GAL USED TODAY: 1441 GAL.
		BOILER 24 HOURS.
		FORMATION: NORTH HORN, NO FLARE. 300 BBL MUD LOSSES.
		MUD LOGGER: DAY 14.

02-02-2009	Re	eported By	W	BEARDSLEY, J	NKER						
DailyCosts: Drilling \$59,031			[	<b>Completion</b> \$0				Daily Total			
Cum Costs: Drilling \$1,398,502		502	<b>Completion</b> \$0				Well Total				
MD	7,770	TVD	7,240	Progress	0	Days	15	MW	10.7	Visc	52.0
Formation: PBTD		<b>PBTD</b> : 0.	<b>:</b> 0.0 <b>Perf :</b>			<b>PKR Depth</b> : 0.0					

Activity at Report Time: LD DP									
Start	End	Hrs	Activity Description						
06:00	07:00	1.0	TRIP IN HOLE WITH CLEANOUT ASSEMBLY, TAG @ 6760'.						
			MUD WT. 10.7. VIS 55.						
07:00	08:00	1.0	WASH/REAM F/6740–6878'. (APPEARS TO BE LEDGES)						
			MUD WT. 10.7 VIS 55.						
08:00	09:30	1.5	CONT. TIH TO 6941'.						
			MUD WT 10.7 VIS 55.						
09:30	12:00	2.5	WASH/REAM F/6941–7194'. (APPEARS TO BE LEDGES)						
			MUD WT 10.7, VIS 55.						
12:00	12:30	0.5	CIRCULATE, PUMP SWEEP.						
			MUD WT. 10.7, VIS 56.						
12:30	13:00	0.5	LAY DOWN 2 STANDS OF DRILL PIPE IN MOUSEHOLE.						
			MUD WT. 10.7, VIS 56.						
13:00	14:30	1.5	WASH/REAM F/7194–7379'. (APPEARS TO BE LEDGES)						
			MUD WT. 10.7, VIS 56.						
14:30	15:00	0.5	LAY DOWN 2 STANDS OF DRILL PIPE IN MOUSEHOLE.						
			LAY DOWN 2 STANDS OF DRILL PIPE.						
			MUD WT. 10.7, VIS 56.						
15:00	17:30	2.5	WASH/REAM F/7379–7568'. (APPEARS TO BE LEDGES)						
			LAY DOWN 2 STANDS OF DRILL PIPE.						
			MUD WT. 10.7, VIS 56.						
17:30	18:00	0.5	LAY DOWN LAST STAND OF DRILL PIPE IN MOUSEHOLE.						

		LAY DOWN 2 STANDS OF DRILL PIPE.
		MUD WT. 10.7, VIS 56.
18:00	19:30	1.5 WASH/REAM F/7568 TO CASING POINT DEPTH OF 7770'. (APPEARS TO BE LEDGES)PICKED UP 4 JOINTS TO REACH BOTTOM. DID NOT SEE ANY SIGNIFICANT AMOUNTS OF SHALE OR OTHER FILL OVER SHAKER DURING REAMING OPERTIONS.
		MUD WT. 10.7 VIS 56.
19:30	21:00	1.5 PUMP HI-VIS SWEEP, CIRCULATE, MIX PILL.
		MUD WT. 10.7, VIS 53
21:00	22:00	1.0 PUMP OUT 1ST THREE JOINTS WITH KELLY.
		MUD WT. 10.7 VIS 54.
22:00	00:30	2.5 WIPER TRIP 15 STANDS TO ABOVE K/O POINT, TIGHT @ 7240', 6747' ON TRIP OUT, NO TIGHT HOLE ON TRIP IN. NO FILL.
		MUD WT. 10.7 VIS 52.
00:30	03:30	3.0 PUMP SWEEP, CIRC UNTIL SHAKERS CLEAN. SPOT BEAD PILL, PUMP SLUG.
		MUD WT. 10.7, VIS 52.
03:30	05:00	1.5 STAND BACK 15 STANDS TO 6340'. TIGHT @ 7180, 6994'. WORK THROUGH TIGHT SPOTS, CLEANED UP.
		MUD WT. 10.7, VIS 52.
05:00	06:00	1.0 HOLD PRE–JOB SAFETY MEETING W/WEATHERFORD LAYDOWN CREW & RIG CREW. RIG UP LAYDOWN CREW, WORK PIPE.
		MUD WT. 10.7, VIS 52.
		SAFETY MEETINGS: PULLING TIGHT HOLE, LAYING DOWN DRILL PIPE.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 8560 GAL RECEIVED: APPROX. 3000 GAL USED TODAY: 1500 GAL.
		BOILER 24 HOURS.
		FORMATION: NORTH HORN, NO FLARE. 60BBL MUD LOSSES .
		MUD LOGGER: DAY 15.

02-03-2009 Reported By				W BEARDSLEY, J SCHLENKER							
DailyCosts: Drilling \$265,143		265,143	Completion \$0			Daily Total			\$265,143		
Cum Costs: Drilling \$1,663,646		1,663,646	<b>Completion</b> \$0			Well Total			\$1,663,646		
MD	7,770	TVD	7,240	Progress	0	Days	16	MW	9.8	Visc	52.0
Formation: PBTD		<b>PBTD</b> : (	<b>:</b> 0.0 <b>Perf :</b>			<b>PKR Depth :</b> 0.0					

Activity at Report Time: CEMENTING INTERMEDIATE CASING

Start	End	Hrs Activity Description
06:00	12:00	6.0 LAY DOWN 4 1/2" DRILL PIPE, BHA, BREAK KELLY. MUD WT. 10.7, VIS 52.
12:00	12:30	0.5 TRIP IN HOLE WITH 15 STANDS IN DERRICK. MUD WT. 10.7, VIS. 52.
12:30	13:30	1.0 LAY DOWN LAST 45 JOINTS OF 4 1/2" DRILL PIPE. MUD WT. 10.7, VIS 52.
13:30	15:30	2.0 HOLD PRE–JOB SAFETY MEETING WITH WEATHERFORD TRS & RIG CREW. RIG UP CASERS AND FILL TOOL.
15:30	22:00	6.5 RUN INTERMEDIATE CASING, 7" 23# HC P–110. HIT TIGHT SPOT @ 7518'. FILL AFTER FIRST 10 JOINTS, EVERY 20 JOINTS TO KOP @ 6373', THEN EVERY JOINT.
22:00	22:30	0.5 BREAK CIRCULATION, PARTIAL RETURNS. RECIPROCATE CASING, WORK THROUGH TIGHT HOLE.

22:30	02:00	3.5 FINISH RUNNING 181 JOINTS OF 7" 23# P-110 INTERMEDIATE CASING AS FOLLOWS: FLOAT SHOE, 1 JOINT CASING, FLOAT COLLAR, 31 JOINTS CASING, MARKER JOINT, 40 JOINTS CASING, MARKER JOINT, 109 JOINTS CASING, CASING HANGER, LANDING JOINT. LAND W/100,000 INDICATED WT (W/O BLOCK) AT 7768.40. FLOAT SHOE @ 7768', FLOAT COLLAR @ 7722'. MARKER #1 6385-6405', MARKER #2 4658-4679'. CASING EQUIPPED WITH 40 RIGID CENTRALIZERS WITH LOCK RINGS, 2 PER JOINT FIRST 10 JOINTS, 1 PER JOINT NEXT 10 JOINT. THEN 24 FLOATING TURBULATORS, EVERY OTHER JOINT FIRST 23, THEN #24 AT 9 5/8" CASING SHOE.
02:00	03:00	1.0 RECIPROCATE CASING, CIRCULATE WITH PARTIAL RETURNS. PICKUP APPROX. 180–200K#, SLACKOFF 107–110K#. LAND WITH 110,000 LB. INDICATED WT, 100,000 W/O BLOCK.
03:00	03:30	0.5 KILL PUMP, LAND FLUTED HANGER WITH 100,000 LB INDICATED WT W/O BLOCK.
03:30	05:00	1.5 RIG DOWN WEATHERFORD CASERS. HOLD PRE–JOB SAFETY MEETING WITH SCHLUMBERGER CEMENTERS AND RIG CREW. RIG UP CEMENTERS.
05:00	06:00	1.0 BEGIN CEMENTING INTERMEDIATE CASING. CEMENT DETAILS TO FOLLOW ON NEXT REPORT. BEGIN CUTTING MUD WT IN MUD TANKS BACK TO 9.0 LB.

MUD WT. 9.8, VIS 40.

SAFETY MEETINGS: LAYING DOWN PIPE, RUNNING CASING, CEMENTING.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 7400 GAL USED TODAY: 1160 GAL.

W BEARDSLEY, J SCHLENKER

Completion

BOILER 24 HOURS.

Reported By

\$142,932

02-04-2009

DailyCosts: Drilling

FORMATION: NORTH HORN, NO FLARE. 150 BBL MUD LOSSES .

MUD LOGGER: DAY 16.

Cum Cos	ts: Drilling	\$1,806,578 <b>C</b>			pletion	\$0		Wel	l Total	\$1,806,578	
MD	7,770	TVD	7,240	Progress	0	Days	17	MW	9.0	Visc	40.0
Formatio	n:		<b>PBTD</b> : 0	.0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: PU I	OP								
Start	End	Hrs	<b>Activity Desc</b>	ription							
06:00	07:30	1.5	(550 SX, 962.5 D020 EXTEND RETARDER, A 50 POZ/G TAIL ANTIFOAM, .2 SHUT DOWN . MIN LAST 20 DISPLACED, 3	ASING AS FOLI CU FT) 13.0 PPO DER, 2% D174 E. ND .125 LB/SK L CEMENT(1.29 2% D167 FLUID AND WASH UP BBL, 2 BBL/MII 04 CALCULATI 02 BBL BACK T	G 35:65 PO XPANDIN D130 LCI CU FT/SI LOSS, AI TO PITS. N LAST 1 ED DISPI	OZ/G LEAD IG CE, .75% M. DROP BO K, 5.985 GA ND .2% DOO DROP TOP 0 BBL. PAR ACEMENT	O CEMENT (1 D112 FLUIE OTTOM PLUIE L SK MIX W. 5 DISPERSA PLUG. DISP TIAL RETUR FINAL PUM	.75CU FT/S D LOSS, .2% G. PUMP 80 ATER) W/29 NT. LACE W/M RNS THROU	K, 9.178 GAL/ D046 ANTIFO DBBL (345 SX 6 D020 EXTE UD @ 8 BBL/I UGHOUT. BUN	SK MIX WAT DAM, .25% D , 445 CU FT) NDER, .1% D MIN, SLOW T MPED PLUG	TER) W/4% 013 14.1 PPG 50: 046 TO 4 BBL W/303.5 BBL
07:30	08:30	1.0	WAIT ON CEM	MENT, RIG DOW	/N SCHLI	JMBERGEI	₹.				
08:30	10:00	1.5	BACK OFF LA	NDING JOINT,	SET DTO	SEAL, TES	T TO 5000 PS	SI.			
10:00	15:30	5.5		KELLY, UNLO FROM 4 1/2" TO		*					E. CHANGE

**Daily Total** 

\$142,932

15:30	22:00	6.5 SAFETY MEETING/RIG UP B&C QUICKTEST. TEST BOP AS FOLLOWS: TEST INSIDE BOP, SAFETY VALVE, UPPER/LOWER KELLY COCK TO 250 PSI/5 MIN, 5000 PSI/10 MIN. TEST HCR, CHOKE LINE, KILL LINE, 250 PSI/5 MIN, 5000 PS/10 MIN. TEST CHOKE MANIFOLD, 250 PSI/5 MIN, 5000 PSI/10 MIN.  TEST PIPE RAMS, BLIND RAMS, 250/5 MIN 5000 PSI/10 MIN. TEST ANNULAR TO 250 PSI/5 MIN, 2500 PSI/10 MIN. TEST 9 5/8" CASING TO1500 PSI 30 MIN. INSTALL WEAR BUSHING.
22:00	22:30	0.5 FINISH MOVING, STRAPPING 4" PIPE & HWDP.
22:30	00:30	2.0 SLIP & CUT 100' DRILL LINE.
00:30	01:00	0.5 INSTALL WEAR BUSHING.
01:00	05:00	4.0 PICK UP BAKER HUGHES AUTO-TRAK BHA & TEST SAME.
05:00	06:00	1.0 HOLD PRE–JOB SAFETY MEETING WITH CALIBER LAYDOWN TRUCK AND RIG CREW, RIG UP LAYDOWN TRUCK.

SAFETY MEETINGS: PRESSURE TESTING, PICKING UP BHA.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 8990 GAL RECEIVED: 3300 USED TODAY: 1710 GAL.

(OWED 1200 GALLON CREDIT BY WESTERN PETROLEUM, COULD NOT GET ENTIRE 4500 GAL

LOAD OF FUEL IN TANK)

BOILER 24 HOURS.

FORMATION: NORTH HORN, NO FLARE.

MUD LOGGER: DAY 17.

02-05-2009	Re	eported By	R.	DYSART, K. SI	POONTZ						
DailyCosts:	Drilling	\$60,2	45	Com	pletion	\$0		Daily	Total	\$60,245	
<b>Cum Costs:</b>	Drilling	\$1,86	6,823	Com	pletion	\$0		Well	<b>Fotal</b>	\$1,866,823	
MD	7,770	TVD	7,240	Progress	0	Days	18	MW	8.9	Visc	37.0
Formation:			<b>PBTD</b> : 0	0.0		Perf:			PKR Der	oth: 0.0	

Activity at Report Time: TIH W/ROTARY STEERABLE BHA

Activity at	keport III	me: 11H	W/ROTARY STEERABLE BHA
Start	End	Hrs	Activity Description
06:00	10:30	4.5	PICK UP & TRIP IN HOLE 4" D.P. TO 2100'
10:30	11:30	1.0	FILL UP STRING, ATTEMPT TO TEST AUTOTRACK TOOL, TOOL PULSING, UNABLE TO DECODE
11:30	13:30	2.0	PICK UP & TRIP IN HOLE 4" D.P. FROM 2100' TO 4100'
13:30	14:00	0.5	FILL UP STRING, ATTEMPT TO TEST AUTOTRACK TOOL, TOOL PULSING, UNABLE TO DECODE
14:00	18:00	4.0	PICK UP & TRIP IN HOLE 4" D.P. FROM 4100' TO TOP OF CEMENT 7718'
18:00	20:00	2.0	CIRCULATE & BRING WEIGHT TO AN 8.8 PPG IN AND OUT. RECIPITATE PIPE, MTR TURNING 33 RPM.
20:00	23:30	3.5	TRIP OUT OF HOLE FOR MWD FAILURE.
23:30	01:00	1.5	CALIBRATE MWD TOOL.
01:00	03:30	2.5	TRIP IN HOLE TO 2300'.
03:30	04:00	0.5	PERFORM SURFACE TEST ON MWD TOOL. (TEST GOOD)
04:00	06:00	2.0	TRIP IN HOLE FROM 2300' TO 5100'
			M/W 8.9, VIS 37.
			NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM
			SAFETY MEETINGS: TRIPS, TOOL CALIBRATION
			FUEL: 7925, USED 1065
			BOILER 24 HOURS.

#### MUD LOGGER: DAY 18.

02-06-2009	Re	eported By	R.	DYSART, K. S	POONTS						
DailyCosts: I	Drilling	\$159,	332	Con	pletion	\$0		Daily	Total	\$159,332	
Cum Costs: Drilling \$2,026,341		6,341	Completion \$0				Well Total				
MD	7,992	TVD	7,247	Progress	222	Days	19	MW	8.8	Visc	38.0
Formation: PBTD		<b>PBTD</b> : 0	.0		Perf:			PKR Dep	oth: 0.0		

Activity at Report Time: DRILLING @ 7992'

Start	End	Hrs	Activity Description
06:00	07:30	1.5	TRIP IN HOLE FROM 5100' TO 7723'
07:30	09:30	2.0	DRILL CEMENT/FLOAT EQUIP. 7722' TO 7763'
09:30	12:00	2.5	THAW OUT LINES ON AUTO TRAC SYSTEM BPA MANIFOLD, CHANGE OUT BPA MANIFOLD
12:00	12:30	0.5	DRILL CEMENT/FLOAT EQUIP. 7763' TO 7770'
12:30	18:30	6.0	DRILL SLIDE 7770' TO 7875' (105' @ 17.6'/HR) 7–10K WOB, 210–220 GPM, 0 RPM ROTARY, 45–50 RPM MOTOR, 1100–1200 PSI. MW $8.8$ VIS 37.
18:30	05:00	10.5	$ \begin{array}{l} \text{DRILL ROTATE 7875' TO 7992' (117') ROP 11 (7247' TVD), 7-15K WOB, 210-220 GPM, 28-60 RPM ROTARY, 45-50 RPM MOTOR, 1100-1200 PSI. MW 8.8 VIS 37. } \end{array} $
05:00	06:00	1.0	AUTO TRAC STEERING HEAD MALFUNCTION, DIAGNOSING PROBLEM.

#1 INCIDENT REPORTED. CHECK COM (WILL ATTEMPT TO DRILL SHORT SECTION BLIND)
SAFETY MEETINGS: HIGH PRESSURE LINES, CHECKING FOR FLOW
FUEL: 6340, USED 1585

FUEL: 6340, USED 1585 BOILER 24 HOURS.

MUD LOGGER: DAY 19.

02-07-2009	Re	eported By	R.	DYSART, K. S	POONTS						
DailyCosts: I	Orilling	\$91,	672	Con	pletion	\$0		Daily	Total	\$91,672	
Cum Costs: 1	Drilling	\$2,1	18,231	Con	pletion	\$0		Well '	<b>Total</b>	\$2,118,231	
MD	8,155	TVD	7,243	Progress	163	Days	20	MW	8.9	Visc	40.0
Formation :			<b>PBTD</b> : 0.	.0		Perf:			PKR Dei	oth: 0.0	

Activity at Report Time: DRILLING @ 8155'

Start	End	Hrs Activity Description
06:00	06:30	0.5 DRILL ROTATE 7992' TO 7997' (5')
		DRILL BLIND, ATTEMPT TO CORRECT STEERING HEAD- BCPM PROBLEM
06:30	10:30	4.0 PUMP PILL, BLOW DOWN KELLY, TRIP OUT OF HOLE FOR DIRECTIONAL ASSY CHANGE OUT.
10:30	13:00	2.5 L/D DIRECTIONAL ROTARY STEERABLE BHA.
		(SHORT LOCATED IN MUD MOTOR.)
13:00	15:00	2.0 P/U DIRECTIONAL ASSY. TRIP IN HOLE TO 3200'
		TEST MWD, OK
15:00	18:00	$3.0\ \ \text{TRIP IN HOLE FROM } 3200\text{'TO SHOE } (7768\text{'})\ \text{FILL STRING. TAG BTTM AT } 7997\text{'AND COMMENCE DRILLING.}$
18:00	19:30	1.5 DRILL R 7997' TO 8002', S/ 8002' TO 8009' (12') ROP 8
		7–15K WOB, 210–220 GPM, 28–60 RPM ROTARY, 45–50 RPM MOTOR, 1100–1200 PSI.
		MW 8.9 VIS 37.
19:30	20:00	0.5 SERVICE RIG
20:00	06:00	10.0 DRILL 8009' TO 8155' (146') ROP 14.6 (7243' TVD)

Well Name: CWU 1227–06H Field: CHAPITA DEEP Property: 059160

DRILL R/ 8009' TO 8034', S/8034' TO 8042' R/ 8042' TO 8066', S/ 8066' TO 8076', R/ 8076' TO 8098' ,S/8098' TO 8108', R/ 8108' TO 8133', S/ 8133' TO 8138', R/ 8138' TO 8155'

7-15K WOB, 210-220 GPM, 28-60 RPM ROTARY, 45-55 RPM MOTOR, 1100-1200 PSI.

MW 8.9 VIS 39.

NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM

SAFETY MEETINGS: TRIP GAS, PPE

FUEL: 4800, USED 1540 BOILER 24 HOURS. MUD LOGGER: DAY 20.

02-08-20	009 Re	eported By	R.	DYSART, K. S	SPOONTS						
DailyCos	ts: Drilling	\$39,05	56	Cor	mpletion	\$0		Daily	Total	\$39,056	
Cum Cos	ts: Drilling	\$2,157	7,563	Cor	mpletion	\$0		Well '	Total	\$2,157,563	
MD	8,442	TVD	7,246	Progress	287	Days	21	MW	8.9	Visc	39.0
Formatio	n:		<b>PBTD</b> : 0	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	at Report Ti	me: DRILLIN	IG @ 8442'								
Start	End	Hrs Act	tivity Desc	ription							
06:00	19:00		ILL 8155' 7 0–1500 PSI	ГО 8337' (182' 	) ROP 14.0	7–15K WOB	, 210–250 (	GPM, 28–60 R	PM ROTAR	Y, 45–55 RPM	MOTOR,
		MW	8.9 VIS 35	5.							
		SLI	DE DEPTH	S:							
		827	2' TO 8287'	', 8305' TO 831	2',						
19:00	19:30	0.5 SER	RVICE RIG								
19:30	06:00		ILL ROTAT TOR, 1300-	E 8337' TO 844 -1500 PSI.	42' (105') R	OP 10 7–15K	WOB, 210	–250 GPM, 28	8–60 RPM R	OTARY, 45–55	5 RPM
		MW	8.9 VIS 39	).							
		NO	INCIDENT	S/ACCIDENTS	S REPORTI	ED. CHECK (	СОМ				
		SAI	FETY MEE	TINGS: CREW	CHANGE	X 2					
		FUE	EL: 3100, U	SED 1700							
		BOI	ILER 24 HO	OURS.							
		MU	D LOGGEI	R: DAY 21.							
		MW	8.9 VIS 36	<b>5.</b>							

02-09-2009	R	eported By	R.	. DYSART, K. SI	POONTS						
DailyCosts:	Drilling	\$49,337	7	Com	pletion	\$0		Dail	y Total	\$49,337	
Cum Costs: Drilling \$2,207,223		,223	<b>Completion</b> \$0				Well Total				
MD	8,630	TVD	7,245	Progress	188	Days	22	MW	8.9	Visc	40.0
Formation: PBTD		<b>PBTD</b> : 0	0.0		Perf:			PKR Dep	oth: 0.0		

Activity at Report Time: DRILLING @ 8630'

Start	End	Hrs Activity Description
06:00	06:30	0.5 DRILL ROTATE 8442' TO 8448' (6')
06:30	10:00	3.5 TRIP OUT OF HOLE FOR BIT #6
10:00	13:30	3.5 TRIP IN HOLE WITH BIT #7 TO 8448'
13:30	18:30	5.0 DRILL ROTATE 8448' TO 8531' (83') ROP 17 9–20K WOB, 210–252 GPM, 28–60 RPM ROTARY, 45–56 RPM MOTOR, 1400–1600 PSI.

MW 8.9 VIS 39.

18:30 19:00 0.5 SERVICE RIG

19:00 06:00 11.0 DRILL 8531'To
1600 PSI. SLIDI

 $11.0\ \ DRILL\ 8531'TO\ 8630'\ (99')\ ROP\ 9\ 9-20K\ WOB, 210-252\ GPM, 28-60\ RPM\ ROTARY, 45-56\ RPM\ MOTOR, 1400-1600\ PSI.\ SLIDE\ DEPTHS: 8596--8601,$ 

MW 8.9 VIS 39.

SLIDE DEPTHS: 8596--8601,

NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM

SAFETY MEETINGS: 1)CHECK COM 2)

FUEL: 1105, USED 1995 BOILER 24 HOURS. MUD LOGGER: DAY 22.

MW 8.9 VIS 40.

02-10-2009 Reported By R. DYSART, K. SPOONTS DailyCosts: Drilling **Daily Total** \$83,159 Completion \$0 \$83,159 \$2,290,579 \$2,290,579 **Cum Costs: Drilling** Completion \$0 **Well Total** MD 8,735 TVD7,243 105 23 MW40.0 **Progress** Days Visc Formation: **PBTD**: 0.0 Perf: PKR Depth: 0.0

Activity at Report Time: DRILLING @ 8735'

02-11-2009

DailyCosts: Drilling

Reported By

\$57,447

Start	End	Hrs Activity Description
06:00	08:30	2.5 DRILL ROTATE 8630' TO 8648' (18') 9–20K WOB, 210–252 GPM, 28–60 RPM ROTARY, 45–56 RPM MOTOR, 1400–1600 PSI.
		SLIDE DEPTHS: 8633' TO 8637'
08:30	09:00	0.5 CIRCULATE FOR BIT TRIP
09:00	12:30	3.5 TRIP OUT OF HOLE FOR BIT #8
12:30	13:30	1.0 M/U BIT #8, NEW MOTOR, CHANGE OUT MWD
13:30	14:30	1.0 TRIP IN HOLE WITH BIT #8 TO 4300'
14:30	15:30	1.0 SLIP & CUT DRILL LINE
15:30	16:30	1.0 TRIP IN HOLE FROM 4300' TO 7900'
16:30	17:30	1.0 WASH/REAM TO 8000'.
17:30	18:00	0.5 TRIP IN HOLE TO 8557'.
18:00	19:30	1.5 WASH/REAM TO 8648'.
19:30	06:00	10.5 DRILL ROTATE 8648' TO 8735' (87') 15 –23K WOB, 210–250 GPM, 28–60 RPM ROTARY, 450–550 RPM MOTOR, 1700–2000 PSI. (GAMMA RAY TOOL FAILURE @ 20:30 ON BAKER HUGHES EQUIPMENT)
		SLIDE DEPTHS:
		8669'—8674'
		NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM.
		SAFETY MEETINGS: 1)TRIPS 2) TRIPS
		FUEL: 7770, RECEIVED 8000
		BOILER 24 HOURS.
		MUD LOGGER: DAY 23.
		MW 8.9 VIS 40.

\$0

R. DYSART, K. SPOONTS

Completion

**Daily Total** 

\$57,447

Cum Cos	ts: Drilling	\$2,348,026	Cor	mpletion	\$0		Well	Total	\$2,348,026	
MD	9,088	<b>TVD</b> 7,224	Progress	353	Days	24	MW	9.0	Visc	38.0
Formatio	n:	PBTD:	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: DRILLING @ 9088	,							
Start	End	Hrs Activity Des	cription							
06:00	15:30	9.5 DRILL ROTAT	- ГЕ 8735' ТО 889	94' (159') @	17 FPH					
		WOB 14/20K,	RPM 45/65 GP	M 306, MC	TOR RPM 69	1, PSI 2300	/2650			
		SLIDE DEPTH	IS: 8785' TO 87	94'/ 8835'	го 8842'					
15:30	16:00	0.5 SERVICE RIG								
16:00	06:00	14.0 DRILL ROTAT	ΓE 8894' TO 908	38" (194') (	@ 14 FPH					
		WOB 14/20K,	RPM 45/65 GP	M 312, MC	OTOR RPM 70	95, PSI 2300/	/2700			
		SLIDE DEPTI	IS: 8931' TO 89	943'/ 9028'	TO 9040'/ 90	50' TO 9072	,			
		NO INCIDEN	TS/ACCIDENTS	S REPORTI	ED. CHECK (	COM				
		SAFETY MEE	ETINGS: PPE X	2						
		FUEL: 5600,	USED 2170							
		BOILER 24 H	OURS.							
		MUD LOGGE	R: DAY 24.							
		MW 9.0 VIS 4	0.							
02-12-20	009 Re	ported By	. DYSART, K. S	SPOONTS						
DailyCos	ts: Drilling	\$64,649	Cor	npletion	\$0		Dail	y Total	\$64,649	
Cum Cos	ts: Drilling	\$2,412,675	Cor	mpletion	\$0		Well	Total	\$2,412,675	
MD	9,263	<b>TVD</b> 7,227	Progress	175	Days	25	MW	8.9	Visc	40.0
Formatio	n:	PBTD:	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: WASH & REAM/LO	OG GR @ 8730'							
Start	End	Hrs Activity Des	cription							
06:00	16:00	10.0 DRILL ROTA	TE 9088' TO 925	50' (162') F	ROP 16					
		WOB 14/22K,	RPM $45 + 670$ ,	GPM 297,	PSI 2400/2700	)				
		SLIDE DEPTH	HS:							
		9126' TO 9138	3'/ 9195' TO 920	0'						
16:00	16:30	0.5 SERVICE RIG								
16:30	17:00	0.5 DRILL ROTAT		` ,						
		•	RPM 45 + 670,	GPM 297,	PSI 2400/2700	)				
17.00	00.00	SLIDE DEPTH		I AND OEE	DOTTOM T	DID EOD M	OTOD (TD	ID TO SHOE	AND LAV DOW	NT 10
17:00	00:00	7.0 MOTOR PRES JOINTS FOR	GAMA LOG ON			KIP FOR M	OTOR. (TR	IP TO SHOE	AND LAY DOW	N 18
00:00	03:30	3.5 TRIP IN HOLD	E W/ NEW BHA	TO 8633'.						
03:30	06:00				10.c.co; TO 07	30,				
		2.5 WASH/REAM	& LOG WITH	GAMMA F	/8660 10 8 /.	30				
			& LOG WITH IG @ 8660' TO				VER.			
		WORK STRIN		8690' TIGH	IT CONNECT	TON 20K O	VER.			
		WORK STRIN	IG @ 8660' TO	8690' TIGH S REPORTI	IT CONNECT	TON 20K O	VER.			

BOILER 24 HOURS.

MUD LOGGER: DAY 25. MW 8.9 VIS 39.

02-13-200	00 D	4. 1 D	W 8.9 VIS 39	DYSART, K. S	DOONTS						
		eported By				40				#0.4.00 <i>=</i>	
DailyCost	_	\$94,9			npletion	\$0			y Total	\$94,995	
Cum Cost	s: Drilling	\$2,50	07,671	Con	npletion	\$0		Well	l Total	\$2,507,671	
MD	9,505	TVD	7,221	Progress	242	Days	26	MW	8.9	Visc	39.0
Formation	1:		<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at	t Report Ti	me: DRILLI	NG @ 9505'								
Start	End	Hrs Ac	ctivity Desc	ription							
06:00	12:30	6.5 W	ASH/REAM,	LOG WITH GA	AMMA 873	30' TO T.D. 9263'					
12:30	13:30	1.0 DF	RILL ROTAT	E 9263' TO 929	3' (30') RC	OP 30					
		W	OB 14/20K, I	RPM 45/65 + 62	28, GPM 27	78, PSI 2300/2500					
13:30	14:00	0.5 SE	ERVICE RIG								
14:00	06:00	16.0 DF	RILL ROTAT	E 9293' TO 950	5' (212') R	OP 13					
					28, GPM 27	78, PSI 2300/2500					
		SL	LIDES: 9491'	TO 9498'							
		NO	) INCIDENT	'S/ACCIDENTS	DEDODT	ED CHECK COM					
				TINGS: LOCK (							
			JEL: 2400, U		001/1/10	001712					
			OILER 24 HC								
		M	UD LOGGER	R: DAY 26.							
		M	W 8.9 VIS 39								
02-14-200	09 Re	eported By		DYSART, K. S	POONTS						
			R.	DYSART, K. S	POONTS npletion	\$0		Dail	y Total	\$84,420	
DailyCost		eported By	R.	DYSART, K. S		\$0 \$0			y Total l Total	\$84,420 \$2,592,091	
DailyCost	s: Drilling	eported By	R.	DYSART, K. S	npletion		27		-		38.0
DailyCost Cum Cost MD	s: Drilling s: Drilling 9,746	\$84,4 \$2,59	R. 420 92,091	DYSART, K. S  Con  Con  Progress	npletion npletion	\$0	27	Well	l Total	\$2,592,091 <b>Visc</b>	38.0
DailyCosts Cum Cost MD Formation	s: Drilling s: Drilling 9,746	\$84,4 \$2,59 TVD	R. 420 92,091 7,218 <b>PBTD:</b> 0	DYSART, K. S  Con  Con  Progress	npletion npletion	\$0 Days	27	Well	l Total	\$2,592,091 <b>Visc</b>	38.0
DailyCosts Cum Cost MD Formation Activity at	s: Drilling s: Drilling 9,746	\$84,4 \$2,59 TVD	R. 420 92,091 7,218 <b>PBTD:</b> 0 NG @ 9746'	DYSART, K. S  Con  Con  Progress	npletion npletion	\$0 Days	27	Well	l Total	\$2,592,091 <b>Visc</b>	38.0
DailyCost: Cum Cost MD Formation Activity at	s: Drilling s: Drilling 9,746 n: t Report Ti	\$84, \$2,59 TVD me: DRILLI Hrs Ad	R. 420 92,091 7,218  PBTD: 0 NG @ 9746' ctivity Desc	DYSART, K. S  Con  Con  Progress	npletion npletion 241	\$0  Days  Perf:	27	Well	l Total	\$2,592,091 <b>Visc</b>	38.0
DailyCost: Cum Cost MD Formation Activity at	s: Drilling s: Drilling 9,746 n: t Report Ti	\$84,4 \$2,59 TVD me: DRILLI Hrs Ad	R. 420 92,091 7,218  PBTD: 0 NG @ 9746' ctivity Desc	DYSART, K. S  Con Con Progress .0  ription E 9505' TO 964	npletion 241 7' (142')	\$0  Days  Perf:	27	Well	l Total	\$2,592,091 <b>Visc</b>	38.0
DailyCost: Cum Cost MD Formation Activity at	s: Drilling s: Drilling 9,746 n: t Report Ti	\$84,- \$2,59 TVD me: DRILLI Hrs Ad 11.5 DR	R. 420 92,091 7,218  PBTD: 0 NG @ 9746' ctivity Desc	DYSART, K. S  Con  Con  Progress .0  ription  E 9505' TO 964  RPM 45/65 + 62	npletion 241 7' (142')	\$0  Days  Perf:	27	Well	l Total	\$2,592,091 <b>Visc</b>	38.0
DailyCost: Cum Cost MD Formation Activity at	s: Drilling s: Drilling 9,746 n: t Report Ti	**************************************	R. 420 92,091 7,218  PBTD: 0 NG @ 9746' ctivity Desc RILL ROTATI OB 14/23K, F	DYSART, K. S  Con  Con  Progress .0  ription  E 9505' TO 964  RPM 45/65 + 62	7' (142') 128, GPM 27	\$0  Days  Perf:	27	Well	l Total	\$2,592,091 <b>Visc</b>	38.0
DailyCost: Cum Cost MD Formation Activity at	s: Drilling s: Drilling 9,746 n: t Report Ti	*84,4 \$2,59 TVD  me: DRILLI  Hrs Ad  11.5 DF  WG  SL  95	R. 420 92,091 7,218  PBTD: 0 NG @ 9746' ctivity Desc RILL ROTATI OB 14/23K, F	DYSART, K. S  Con Con Progress .0  ription E 9505' TO 964 RPM 45/65 + 62 S:	7' (142') 128, GPM 27	\$0  Days  Perf:	27	Well	l Total	\$2,592,091 <b>Visc</b>	38.0
DailyCosts Cum Cost MD Formation Activity at Start 06:00	s: Drilling 9,746 n: t Report Tin End 17:30	**************************************	R. 420 92,091 7,218 PBTD: 0 NG @ 9746' ctivity Desc RILL ROTAT! OB 14/23K, F LIDE DEPTH 28' TO 9533' ERVICE RIG	DYSART, K. S  Con Con Progress .0  ription E 9505' TO 964 RPM 45/65 + 62 S:	7' (142') 128, GPM 27	\$0  Days  Perf:  ROP 12' '8, PSI 2300/2500	27	Well	l Total	\$2,592,091 <b>Visc</b>	38.0
DailyCosts Cum Cost MD Formation Activity at Start 06:00	s: Drilling 9,746 n: t Report Ti End 17:30	**************************************	R. 420 92,091 7,218  PBTD: 0 NG @ 9746' ctivity Desc RILL ROTATI OB 14/23K, F LIDE DEPTH 28' TO 9533' ERVICE RIG RILL ROTATI	Con Con Progress .0 ription E 9505' TO 964 RPM 45/65 + 62 S: , 9628' TO 9643	7' (142') 1 28, GPM 27 6' (99') R	\$0  Days  Perf:  ROP 12' '8, PSI 2300/2500	27	Well	l Total	\$2,592,091 <b>Visc</b>	38.0
DailyCosts Cum Cost MD Formation Activity at Start 06:00	s: Drilling 9,746 n: t Report Ti End 17:30	**************************************	R. 420 92,091 7,218 PBTD: 0 NG @ 9746' ctivity Desc RILL ROTATI OB 14/23K, F LIDE DEPTH. 28' TO 9533' ERVICE RIG RILL ROTATI OB 14/23K, F	Con Con Progress .0 ription E 9505' TO 964 RPM 45/65 + 62 S: , 9628' TO 9643	7' (142') 128, GPM 27 6' (99') R 128, GPM 27	\$0  Days  Perf:  ROP 12' 78, PSI 2300/2500  OP 8'	27	Well	l Total	\$2,592,091 <b>Visc</b>	38.0
DailyCost: Cum Cost MD Formation Activity at Start 06:00	s: Drilling 9,746 n: t Report Ti End 17:30	**************************************	R. 420 92,091 7,218 PBTD: 0 NG @ 9746' ctivity Desc RILL ROTATE OB 14/23K, F LIDE DEPTH 28' TO 9533' ERVICE RIG RILL ROTATE OB 14/23K, F LIDE DEPTH	Con Con Progress .0 Progress .0 Progress .0 Progress .0 Fiption E 9505' TO 964: S: , 9628' TO 964: E 9647' TO 974 RPM 45/65 + 62 S: 9657' TO 967	7' (142') 1 28, GPM 27 3' (99') R 28, GPM 27	\$0  Days  Perf:  ROP 12' '8, PSI 2300/2500  OP 8' '8, PSI 2300/2500		Well	l Total	\$2,592,091 <b>Visc</b>	38.0
DailyCosts Cum Cost MD Formation Activity at Start 06:00	s: Drilling 9,746 n: t Report Ti End 17:30	**************************************	R. 420 92,091 7,218 PBTD: 0 NG @ 9746' ctivity Desc RILL ROTATI OB 14/23K, F LIDE DEPTH 28' TO 9533' ERVICE RIG RILL ROTATI OB 14/23K, F LIDE DEPTH	Con Con Progress .0  ription E 9505' TO 964 RPM 45/65 + 62 S: , 9628' TO 9643 E 9647' TO 974 RPM 45/65 + 62 S: 9657' TO 963	7' (142') 128, GPM 27 3' 6' (99') R 28, GPM 27 72'.	\$0  Days  Perf:  ROP 12' 78, PSI 2300/2500  OP 8'		Well	l Total	\$2,592,091 <b>Visc</b>	38.0
MD Formation Activity at Start 06:00	s: Drilling 9,746 n: t Report Ti End 17:30	seported By \$84,4 \$2,59  TVD  me: DRILLI Hrs Ac 11.5 DF WG SL 95 0.5 SE 12.0 DF WG SL NG SA	R. 420 92,091 7,218 PBTD: 0 NG @ 9746' ctivity Desc RILL ROTATI OB 14/23K, F LIDE DEPTH 28' TO 9533' ERVICE RIG RILL ROTATI OB 14/23K, F LIDE DEPTH	Con Con Progress .0 Pription E 9505' TO 964 RPM 45/65 + 62 S: , 9628' TO 9643 E 9647' TO 974 RPM 45/65 + 62 S: 9657' TO 965	7' (142') 128, GPM 27 3' 6' (99') R 28, GPM 27 72'.	\$0  Days  Perf:  ROP 12' '8, PSI 2300/2500  OP 8' '8, PSI 2300/2500		Well	l Total	\$2,592,091 <b>Visc</b>	38.0

MUD LOGGER: DAY 27.

MW 8.8 VIS 39.

RECEIVED 8000 GALLONS OF FUEL

02-15-200	9 Re	ported By	R.	DYSART, K. S	POONTS						
DailyCosts		\$77,51			npletion	\$0		Dail	y Total	\$77,518	
Cum Costs	_	\$2,662			npletion	\$0		· ·	Total	\$2,662,203	
MD	9,935	TVD	7,214	Progress	189	Days	28	MW	8.8	Visc	40.0
Formation	:		<b>PBTD</b> : 0	_		Perf :			PKR Dep	oth: 0.0	
Activity at	Report Ti	me: DRILLIN	IG @ 9935'								
Start	End	Hrs Act	tivity Desc	ription							
06:00	10:00	4.0 DR	ILL ROTAT	E 9746' TO 977	0' (24') RC	)P 6					
		WO	B 14/23K, I	RPM 45/65 + 62	28, GPM 27	78, PSI 2300/2	500				
10:00	15:00	5.0 TRI	P OUT OF	HOLE TO SUR	FACE, FO	UND CRACK	/ WASHOU	T ON PONY	COLLAR IN	BHA.	
15:00	19:00	4.0 TRI	P IN HOLE	TO 9702'.							
19:00	19:30	0.5 WA	SH/REAM	F/9702' TO 977	0'.						
19:30	06:00	10.5 DR	ILL ROTAT	E 9770' TO 993	5' (165') 1	6 ROP					
		WO	B 14/23K, I	RPM 45/65 + 62	28, GPM 27	78, PSI 2300/2	750				
		SLI	DE: 9782' T	O 9797', 9815'	TO 9825',	9847' TO 985	7', 9912' TO	9922'.			
		NO	INCIDENT	S/ACCIDENTS	S REPORTI	ED. CHECK C	COM				
				ΓINGS: TRIPPI							
		FUI	EL: 6900, U	ISED 1600							
			ILER 24 HC								
		MU	D LOGGER	R: DAY 28.							
		MW	8.8 VIS 39								
02-16-200	9 Re	eported By	R.	DYSART, K. S	POONTS						
DailyCosts	: Drilling	\$60,76	51	Con	npletion	\$0		Dail	y Total	\$60,761	
C C4-	. Duilling			Com	npletion	\$0		Well	l Total	\$2,722,964	
Cum Costs	. Drinning	\$2,722	2,964	Con							
	10,270	\$2,722 <b>TVD</b>	2,964 7,208	Progress	335	Days	29	MW	8.8	Visc	41.0
MD	10,270	TVD		Progress	_	Days Perf:	29				41.0
MD Formation	10,270	TVD	7,208 <b>PBTD:</b> 0	Progress	_	•	29		8.8		41.0
MD Formation Activity at	10,270	TVD	7,208 <b>PBTD:</b> 0	Progress	_	•	29		8.8		41.0
MD Formation Activity at	10,270 : Report Ti	TVD me: DRILLIN Hrs Act	7,208  PBTD: 0  IG @ 10270  tivity Desc	Progress	335	Perf:	29		8.8		41.0
MD Formation Activity at Start	10,270 : Report Ti	TVD me: DRILLIN Hrs Act 10.0 DRI	7,208 <b>PBTD:</b> 0  IG @ 10270 <b>tivity Desc</b> ILL ROTAT	Progress .0 , ription	335 96', (161')	Perf:			8.8		41.0
MD Formation Activity at Start	10,270 : Report Ti	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO	7,208 <b>PBTD:</b> 0  IG @ 10270 <b>tivity Desc</b> ILL ROTAT	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66	335 96', (161')	Perf:			8.8		41.0
MD Formation Activity at Start	10,270 : Report Ti	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO  SLI	7,208 <b>PBTD:</b> 0  IG @ 10270  tivity <b>Desc</b> ILL ROTATION 16/20K, F	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66	335 96', (161')	Perf:			8.8		41.0
MD Formation Activity at Start 06:00	10,270 : Report Tin	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO  SLI  0.5 SEF	7,208  PBTD: 0  IG @ 10270  LL ROTATI  B 16/20K, H  DE DEPTH  RVICE RIG	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66	335 96', (161') 55, GPM 27	Perf:  ROP 16' 70, PSI 2700/30			8.8		41.0
MD Formation Activity at Start 06:00	10,270 : Report Tin End 16:00	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO  SLI  0.5 SEF  13.5 DRI	7,208  PBTD: 0  IG @ 10270  tivity Desc  ILL ROTATI  DB 16/20K, F  DE DEPTH  RVICE RIG  ILL ROTATI	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66	335 96', (161') 55, GPM 27 270', (174'	Perf:  ROP 16' '0, PSI 2700/30' ) ROP 13'	000		8.8		41.0
MD Formation Activity at Start 06:00	10,270 : Report Tin End 16:00	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO  SLI  0.5 SEF  13.5 DRI  WO	7,208  PBTD: 0  IG @ 10270  Livity Desc  ILL ROTATI  B 16/20K, H  DE DEPTH  RVICE RIG  ILL ROTATI  B 16/20K, H	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66 S: E 10096' TO 10	335 96', (161') 55, GPM 27 270', (174' 9, GPM 27	Perf:  ROP 16' '0, PSI 2700/30' ) ROP 13'	000		8.8		41.(
<b>Start</b> 06:00	10,270 : Report Tin End 16:00	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO  SLI  0.5 SEF  13.5 DRI  WO  SLI	7,208  PBTD: 0  IG @ 10270  Livity Desc  ILL ROTATI  OB 16/20K, H  RVICE RIG  ILL ROTATI  OB 16/20K, H  DE DEPTH.  OB 16/20K, H  DE DEPTH.	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66 S: E 10096' TO 10 RPM 45/65 + 61	335 96', (161') 55, GPM 27 270', (174' 9, GPM 27 0181'.	Perf:  ROP 16' 70, PSI 2700/30  ) ROP 13' 70, PSI 2700/30	000		8.8		41.0
MD Formation Activity at Start 06:00	10,270 : Report Tin End 16:00	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO  SLI  0.5 SEF  13.5 DRI  WO  SLI  NO	7,208  PBTD: 0  IG @ 10270  LIVITY Desc  ILL ROTATI  B 16/20K, F  DE DEPTH  RVICE RIG  ILL ROTATI  B 16/20K, F  DE DEPTH  INCIDENT	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66 S: E 10096' TO 10 RPM 45/65 + 61 S: 10171' TO 1	335 96', (161') 55, GPM 27 270', (174' 9, GPM 27 0181'.	Perf:  ROP 16' 70, PSI 2700/30  ) ROP 13' 70, PSI 2700/30	000		8.8		41.0

BOILER 24 HOURS. MUD LOGGER: DAY 29. MW 8.8 VIS 40.

00 45 000			8.8 VIS 40.		IDOO! TOO						
02-17-2009		eported By		DYSART, K. S							
DailyCosts:	_	\$66,45			npletion	\$6,387			y Total	\$72,844	
Cum Costs:	Drilling	\$2,789,	748	Cor	npletion	\$6,387		Well	l Total	\$2,796,135	
MD	10,440	TVD	7,209	Progress	170	Days	30	MW	9.0	Visc	41.0
Formation :	:	]	<b>PBTD</b> : 0.	0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at 1	Report Ti	me: DRILLING	G @ 10440°	,							
Start 1	End	Hrs Acti	vity Desci	ription							
06:00	09:00	3.0 DRII	LL ROTATI	E 10,270' TO 1	0,304' (34')	ROP 11.3					
		WOE	3 16/21K, R	RPM 45/65 + 61	10, GPM 27	0, PSI 2600/31	00				
		SLID	E DEPTH	S: 10,267' TO 1	10,279'						
09:00	10:00	1.0 CIRC	CULATE FO	OR TRIP OUT	OF HOLE,	(MOTOR FAII	LURE)				
10:00	13:30	3.5 TRIP	OUT OF I	HOLE FROM 1	10,304' LAY	OUT MOTOR	R (BEARIN	NG FAILURE	E) MWD & S7	ABILIZERS.	
13:30	14:00				TOR, MWI	O & STABILIZ	ERS. TRIF	IN HOLE T	O		
14:00	17:30			TO 10243'.							
17:30	18:00			F/ 10243' TO 10							
18:00	06:00			E 10,304' TO 1	,	,					
				1 45/65 + 610, S: 10332' TO 1		PSI 2600/3100					
		SAFI		TINGS: TRIPP		ED. CHECK CO	OM				
		BOII	LER 24 HO	URS.							
		MUI	LOGGER	: DAY 30.							
		MW	9.0 VIS 40.								
02-18-2009	Re	eported By	R.	DYSART, K. S	SPOONTS						
DailyCosts:	Drilling	\$84,666	5	Cor	npletion	\$20,034		Dail	y Total	\$104,700	
Cum Costs:	Drilling	\$2,874,	415	Cor	npletion	\$26,421		Well	l Total	\$2,900,836	
MD	10,720	TVD	7,199	Progress	280	Days	31	MW	8.8	Visc	42.0
Formation :	:	]	<b>PBTD</b> : 0.	0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at 1	Report Ti	me: DRILLING	G @ 10,720	,							
Start 1	End	Hrs Acti	vity Desci	ription							
06:00	14:30	WOE SLID			,	,					
14:30	15:00	0.5 SER	VICE RIG								
15:00	06:00			E 10,581' TO 10 II 45/65 + 610,		,					

SLIDE DEPTHS: 10590 TO 10600, 10,656' TO 10,667'.

NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM

SAFETY MEETINGS: 100% TIE OFF

FUEL: 900, USED 2580 BOILER 24 HOURS. MUD LOGGER: DAY 31.

MW 8.8 VIS 42.

			MW 8.8 VIS 42.								
02-19-20	09 Re	eported !	By BE	ARDSLEY / S	CHLENKE	ER					
DailyCost	ts: Drilling	\$	591,558	Con	npletion	\$0		Dail	y Total	\$91,558	
Cum Cost	ts: Drilling	\$	\$2,965,973	Con	npletion	\$26,421		Wel	l Total	\$2,992,394	
MD	10,956	TVD	7,201	Progress	236	Days	32	MW	8.8	Visc	42.0
Formation	n:		<b>PBTD</b> : 0.	0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: TOF	H FOR MOTOR								
Start	End	Hrs	Activity Descr	ription							
06:00	15:30	9.5	GPM, 2500–300		0720–1083	9' (119' @ 12.5	5'/HR) 15–	18K WOB, 4	45 RPM ROTA	RY, 610 MOTO	OR, 270
			MUD WT. 8.8, V	VIS 42.							
			SLIDE DEPTHS	S: 10,721' TO 1	0,731'						
15:30	16:00	0.5	SERVICE RIG.								
			MUD WT. 8.8, V	/IS 42.							
16:00	02:00	10.0	O DRILL ROTATE GPM, 2500–300		0839–1095	6' (117' @ 11.7	7'/HR) 15–	18K WOB, 4	45 RPM ROTA	RY, 610 MOTO	OR, 270
			AFTER SLIDE, BLEW NAIL. P						STALLED, W	OULD NOT R	ELEASE,
			MUD WT. 8.8, V	VIS 42.							
			SLIDE DEPTHS	S: 10912–10922	2', 10946–	10956'.					
02:00	06:00	4.0	POOH W/WET	PIPE FOR NEV	W MOTOR						
			MUD WT. 8.8, V	VIS 41.							
			SAFETY MEET	INGS: CLEAN	IING,						
			FULL CREWS	BOTH TOURS	·						
			NO INCIDENT	S/ACCIDENTS	REPORT	ED.					
			COM CHECKE	D BY BOTH T	OURS.						
			FUEL ON HAN	D: 7200 GAL.	RECEIVE	D TODAY: 800	0 GAL. US	ED: 1700 G	AL.		
			BOILER 24 HO	URS.							
			FORMATION: 1		I, NO FLA	RE.					
			MUD LOGGER	DAY 32.							
02-20-20	09 Re	eported i	·	BEARDSLEY,							
•	ts: Drilling		862,897		npletion	\$0			y Total	\$62,897	
Cum Cost	ts: Drilling	\$	\$3,028,870	Con	npletion	\$26,421		Wel	l Total	\$3,055,291	
MD	11,048	TVD	7,204	Progress	92	Days	33	MW	8.8	Visc	41.0
Formation	n:		<b>PBTD</b> : 0.	0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: TOF	H FOR MOTOR								

Start	End	Hrs	Activity Descr	ription							
06:00	09:00	3.0	CONTINUE PO BIT SUB BACK						D DOWN AP	PROX. 1". HAI	TO PUSH
			MUD WT. 8.8, V	/IS 41.							
09:00	10:00	1.0	CHANGE OUT	MWD TOOL,	ORIENT N	NEW MOTOR.					
			MUD WT. 8.8, V	/IS 41.							
10:00	11:00	1.0	TRIP IN HOLE	TO APPROX.	4500'.						
			MUD WT. 8.8, V	/IS 41.							
11:00	12:00	1.0	FILL PIPE, SLI	e & CUT DRIL	L LINE.						
12:00	14:30	2.5	CONTINUE TIE	H TO 10650', S	TARTING	TO STACK O	JT WEIGH	T.			
14:30	15:30	1.0	WASH/REAM 1	0650-10956',	NO HARD	REAMING.					
15:30	18:00	2.5	DRILL ROTATE 2580–3000 PSI.	E & SLIDE F/10	0956–1098	36' (30' @ 12'/F	IR) 16–20 <b>k</b>	K WOB, 45 R	PM ROTARY	675 MOTOR,	270 GPM,
			MUD WT. 8.8, V	/IS 42.							
18:00	18:30	0.5	SERVICE RIG.								
18:30	02:00	7.5	DRILL ROTATE 2580–3000 PSI.	E & SLIDE F/10	0986–1104	8' (62' @ 8.3'/	HR) 16–201	K WOB, 45 R	PM ROTARY	, 675 MOTOR,	270 GPM,
			MUD WT. 8.8, V	/IS 40.							
			AFTER MAKIN PRESSURE WE PRESSURE. BL	NT TO 1750 P	SI W/21 SI	PM ON #1 PUN	IP. WORK	ED PIPE, RO	TATED, COU		,
			INDICATIONS	OF MUD MOT	TOR FAILU	JRE. PREPARI	Е ТО РООН	I.			
02:00	06:00	4.0	POOH W/WET	PIPE FOR SUS	SPECTED :	MUD MOTOR	FAILURE.				
			MUD WT. 8.8, V	7IS 40.							
			SAFETY MEET	INGS: POP OF	FF/PSI REI	LEASE, TRIPP	ING WET I	PIPE.			
			FULL CREWS	BOTH TOURS	-						
			NO INCIDENTS	S/ACCIDENTS	S REPORTI	ED.					
			COM CHECKE	D BY BOTH T	OURS.						
			FUEL ON HAN	D: 5630 GAL.	USED: 15	70 GAL.					
			BOILER 24 HO	URS.							
			FORMATION: 1	NORTH HORN	I, NO FLA	RE.					
			MUD LOGGER	DAY 33.							
02-21-20	09 Re	eported l	By W.	BEARDSLEY,	, J. SCHLE	NKER					
DailyCost	ts: Drilling	\$	63,963	Con	npletion	\$490		Daily	Total	\$64,454	
Cum Cost	ts: Drilling	\$	3,092,834	Con	npletion	\$26,911		Well	Total	\$3,119,745	
MD	11,250	TVD	7,198	Progress	202	Days	34	MW	8.8	Visc	41.0
Formation	n:		<b>PBTD</b> : 0.	Ü		Perf :			PKR Dep		
		me: DRII	e: DRILLING @ 11250'								
Start	End	Hrs	Activity Descr								
06:00	08:00		CONTINUE PO HEARD WHEN	ОН. СНЕСКЕ				-			
				TTG 11							

0.5 PICK UP NEW BAKER MOTOR & STABS FOR BHA #13. ORIENT MWD. RERUN BIT.

MUD WT. 8.8, VIS 41.

MUD WT. 8.8, VIS 41.

0.5 SERVICE RIG.

08:00

08:30

08:30

09:00

02-22-2009	Repo	rted By W. BEARDSLEY, J. SCHLENKER
		MUD LOGGER DAY 34.
		FORMATION: NORTH HORN, NO FLARE.
		BOILER 24 HOURS.
		FUEL ON HAND: 4120 GAL. USED: 1510 GAL.
		COM CHECKED BY BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		FULL CREWS BOTH TOURS.
		SAFETY MEETINGS: TRIPPING PIPE, LAST DAY.
		SLIDES: 11205–11215' (10') @ 170R GTF.
		MUD WT. 8.8, VIS 41.
19:30	06:00	10.5 DRILL ROTATE & SLIDE F/11097–11250' (153' @ 14.6'/HR) 14–18K WOB, 45 RPM ROTARY, 610 MOTOR, 270 GPM, 2450–3000 PSI.
19:00	19:30	0.5 SERVICE RIG.
		SLIDES: 11055–11062' (7') @ 25R GTF, 11075–11085', (10') @ 20R GTF.
		MUD WT. 8.8, VIS 41.
•		2450–3000 PSI.
14:30	19:00	4.5 DRILL ROTATE & SLIDE F/11048–11097' (49' @ 10.9'/HR) 14–18K WOB, 45 RPM ROTARY, 610 MOTOR, 270 GPM,
		MUD WT. 8.8, VIS 41.
13:00	14:30	1.5 WASH/REAM F/10695–11048', NO HARD REAMING.
		MUD WT. 8.8, VIS 41.
09:00	13:00	4.0 TRIP IN HOLE WITH BHA #13, RERUN BIT #8. TIH TO 10695.
		MUD WT. 8.8, VIS 41.

02-22-200	9 R	eported By	W	W. BEARDSLEY, J. SCHLENKER							
DailyCosts	: Drilling	\$57,36	58	Com	pletion	\$735		Daily	<b>Total</b>	\$58,103	
Cum Costs	: Drilling	\$3,150	),202	Com	pletion	\$27,646		Well	Total	\$3,177,849	
MD	11,355	TVD	7,182	Progress	105	Days	35	MW	8.8	Visc	40.0
Formation: PBTD			<b>PBTD</b> : 0	0.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: LD DP

Activity a	t Report T	ime: LD [	OP Control of the con
Start	End	Hrs	<b>Activity Description</b>
06:00	13:00	7.0	DRILL ROTATE & SLIDE F/11250'–11355' (105' @ 15'/HR) 14–18K WOB, 45 RPM ROTARY, 610 MOTOR, 270 GPM, 2450–3000 PSI. MUD WT. 8.8, VIS 40. SLIDE 11268–11273' (5') @ 180 GTF. REACHED TD @ 12:43 HRS, 02/21/09.
13:00	14:00	1.0	CIRCULATE BOTTOMS UP.
			MUD WT. 8.8, VIS 40.
14:00	16:00	2.0	SHORT TRIP TO 7" CASING SHOE, STAND BACK 30 STANDS, LAY DOWN 19 JTS TO WASH TO BOTTOM WITH.
			MUD WT. 8.8, VIS 41.
16:00	17:00	1.0	TIH TO 11115', STACKING OUT.
			MUD WT. 8.8, VIS 41.
17:00	18:00	1.0	WASH/REAM F/11115–11355', NO HARD FILL.
			MUD WT. 8.8, VIS 41.
18:00	19:30	1.5	CIRCULATE BOTTOMS UP, SPOT BEAD PILL, HOLD PRE–JOB SAFETY MEETING WITH WEATHERFORD LAYDOWN CREW & RIG CREW. RIG UP LAYDOWN TRUCK.
19:30	06:00	10.5	LAY DOWN 4" DRILL PIPE & BHA.
			MUD WT. 8.8, VIS 40.
			SAFETY MEETINGS: LAYING DOWN PIPE.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 2300 GAL. USED: 1820 GAL.

BOILER 24 HOURS.

FORMATION: NORTH HORN, NO FLARE.

MUD LOGGER DAY 35. MUD LOGGER RELEASED ON 02/21/09.

02-23-200	9 Re	eported l	By W.	BEARDSLEY,	J. SCHLE	NKER					
DailyCosts	: Drilling	\$	61,788	Com	pletion	\$255,303		Daily	y Total	\$317,092	
Cum Costs	: Drilling	\$	3,211,991	Com	pletion	\$282,950		Well	Total	\$3,494,942	
MD	11,355	TVD	7,182	Progress	0	Days	36	MW	0.0	Visc	0.0
Formation	:		<b>PBTD</b> : 0	.0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity at	Report Ti	me: RDR	T/WO COMPLE	ETION							
Start	End	Hrs	<b>Activity Desc</b>	ription							
06:00	08:00	2.0	CONTINUE LA	YING DOWN 4	" DRILL	PIPE, BREAK K	ELLY, LA	AY DOWN B	вна.		
			MUD WT. 8.8,	VIS 40.							
08:00	08:30	0.5	PULL WEAR E	BUSHING, FILL	HOLE.						
			MUD WT. 8.8,	VIS 40.							
08:30	10:30	2.0	CLEAN RIG FI UP CASERS W	LOOR, HOLD P /FILL TOOL. M			NG WITI	H WEATHER	RFORD CASE	ERS AND RIG C	CREW. RIG
10:30	20:30	10.0	22 JTS CASING LANDING JOH 9380', MARKE	NG AS FOLLOW G, MARKER JT, NT. LAND @ 11	VS: FLOA 71 JTS C. 1349.36', I 1'. CASIN	AT SHOE, 1 JT C ASING, MARKE FLOAT COLLAF IG EQUIPPED V	CASING, ER JT, 150 R @ 1130	FLOAT COL ) JTS CASIN 4'. MARKE	LAR, 23 JTS IG, PUP JT, H R#1 10312–10	CASING, MAR ANGER ASSEM 0334', MARKE	KER JT, MBLY, R #2 9359–
			SEVERAL TIM TRAVELING A	IES BEFORE PI SSEMBLEY. 99	CKING U 0,000# PIC	ING OUT. PUMI P LANDING JO KUP, 26,000# SI NG ASSEMBLY	INT. PICI LACKOF	KUP 115,000 F W/O TRAV	)#, SLACKOF /ELING ASSE	F 40,000# INCL	UDING
20:30	21:00	0.5	RIG DOWN CA	ASERS, INSTAL	L CIRCU	LATING SWAGI	Ε.				
			MUD WT. 8.8,	VIS 40.							
21:00	22:00	1.0	CIRCULATE A	T 254 GPM.							
			MUD WT. 8.8,	VIS 40.							
22:00	22:30	0.5	HOLD PRE-JO	B SAFETY ME	ETING W	/SCHLUMBERO	GER CEM	IENTERS &	RIG CREW. I	RIG UP CEMEN	NTERS.
22:30	00:30	2.0	5.955 GAL/SK DISPERSANT A PITS. DROP TO	M PLUG. PUMF MIX WATER) W AND .4% D167 DP PLUG. DISPL ATED DISPLAG	P 124 BBL V/2% D020 FLUID LO LACE W I CEMENT.	(540 SX, 697 CU DEXTENDER, DSS. PUMP SLU FRESH WATER FINAL PUMP F	U FT) 14. .1% D046 IRRY AT @ 5 BBL	1 PPG 50:50 5 ANTIFOAM 5 BBL/MIN. /MIN, BUM	POZ/G TAIL 1, .1% D013 R SHUT DOW! PED PLUG W	CEMENT (1.29 RETARDER, .2% N AND WASH U //175 BBL DIS	CU FT/SK, 6 D065 JP TO PLACED,
00:30	01:30	1.0	WAIT ON CEM	IENT.							
01:30	03:00	1.5	BACK OFF LA WHEN TUBIN	NDING JOINT, G HEAD IS INS			MC. NO I	PORT, COUI	LD NOT TEST	Γ ΤΟ 5000 PSI. V	WILL TEST

03:00 05:00 2.0 NIPPLE DOWN, CLEAN MUD TANKS. 05:00 06:00 1.0 RDRT, PREPARE FOR APPROX. 7 MILE MOVE TO THE CWU 1372-29. TRUCKS SCHEDULED FOR 0800 ON 02/23/09. SAFETY MEETINGS: RUNNING CASING, CEMENTING. FULL CREWS BOTH TOURS. NO INCIDENTS/ACCIDENTS REPORTED. TRANSFERS FROM CWU 1227-06H TO CWU 1372-29: 4 JOINTS OF 4 1/2" 11.6" N-80 LTC (2 NEW, 2 BAD). 6 JOINTS OF 4 1/2" 11.6" P-110 LTC (NEW). 3 MARKER JOINTS OF 4 1/2" 11.6" P-110 LTC. (NEW) 1500 GAL OF WINTER BLEND FUEL @ \$2.091/GAL. 06:00 RIG RELEASED @ 06:00 HRS, 02/23/09. CASING POINT COST \$3,181,470 HACKING 02-28-2009 Reported By \$0 DailyCosts: Drilling Completion \$12,300 **Daily Total** \$12,300 \$3,211,991 \$295,250 **Well Total** \$3,507,242 **Cum Costs: Drilling** Completion 11,355 0 37 0.0 0.0 MD **TVD** 7,182 **Progress** Davs MWVisc **Formation: PBTD**: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: RIH W/ BIT & SCRAPER TO PBTD **Activity Description** Start End 06:00 06:00 24.0 MIRUSU. NU BOPS. PU 3 7/8" BIT & SCRAPER. PU TBS, 310 JTS. EOT @ 10,160'. CIRC BOTTOMS UP. SDFN. HACKING 03-03-2009 Reported By DailyCosts: Drilling Completion \$6,800 **Daily Total** \$6,800 **Cum Costs: Drilling** \$3,211,991 \$302,050 \$3,514,042 Completion Well Total 11,355 0.0 0.0 MD TVD 7,182 Days 38 MWVisc **Progress** Formation: **PBTD**: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: RIH W/TBS. TO PBTD Start End **Activity Description** 06:00 06:00 24.0 0 PSIG. RIH W/35 JTS. TAG @ 11295' CIRC W/160 BBLS. POH. LD 345 JTS, BIT & SCRAPER. ND BOPS. NU TREE. 03-05-2009 SEARLE Reported By \$0 \$59,500 \$59,500 DailyCosts: Drilling Completion **Daily Total** \$3,573,542 **Cum Costs: Drilling** \$3,211,991 Completion \$361,550 Well Total MD 11,355 **TVD** 7,182 39 MW0.0 0.0 **Davs** Visc **Progress Formation: PBTD**: 11304.0 Perf: PKR Depth: 0.0 Activity at Report Time: PREP FOR FRACS Start End Hrs **Activity Description** 24.0 MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 1200'. EST CEMENT TOP @ 4570'. 06:00 06:00 RD SCHLUMBERGER.

	STATE OF UTAH		FORM 9
	DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER: U-01304
	RY NOTICES AND REPORT		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deep ugged wells, or to drill horizontal laterals		7.UNIT OF CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1227-6H
2. NAME OF OPERATOR: EOG Resources, Inc.	9. API NUMBER: 43047386720000		
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 0702 FEL	COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 06	n: S	STATE: UTAH	
11.	CK APPROPRIATE BOXES TO INDIC	CATE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
SUBSEQUENT REPORT	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	
Date of Work Completion:	│	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE ☐ SIDETRACK TO REPAIR WELL	☐ RECOMPLETE DIFFERENT FORMATION ☐ TEMPORARY ABANDON
	REPERFORATE CURRENT FORMATION  TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date: 8/28/2009	WILDCAT WELL DETERMINATION	OTHER	
			OTHER:
No activity has	DIMPLETED OPERATIONS. Clearly show all page of the control of the	o <b>FO</b>	Accepted by the Utah Division of il, Gas and Mining R RECARD ONLY
MAME (PLEASE PRINT) Mickenzie Thacker	<b>PHONE NUMB</b> 435 781-9145	Operations Clerk	
SIGNATURE N/A		<b>DATE</b> 8/28/2009	

STATE OF UTAH  DEPARTMENT OF NATURAL RESO  DIVISION OF OIL, GAS, AND		FORM 9  5.LEASE DESIGNATION AND SERIAL NUMBER:
DIVISION OF CIE, GAS, AND	THINING	U-01304
SUNDRY NOTICES AND REPOR	RTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly dee bottom-hole depth, reenter plugged wells, or to drill horizontal latera DRILL form for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: CWU 1227-6H
2. NAME OF OPERATOR: EOG Resources, Inc.		<b>9. API NUMBER:</b> 43047386720000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000 N , Denver, CO, 80202	<b>PHONE NUMBER:</b> 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 0702 FEL		COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 06 Township: 09.0S Range: 23.0E Meridi	ian: S	STATE: UTAH
CHECK APPROPRIATE BOXES TO IND	ICATE NATURE OF NOTICE, REPO	DRT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
NOTICE OF INTENT   Approximate date work will start:   CHANGE TO PREVIOUS PLANS   CHANGE WELL STATUS   DEEPEN   OPERATOR CHANGE   PRODUCTION START OR RESUME   REPERFORATE CURRENT FORMATION   TUBING REPAIR   WATER SHUTOFF   WILDCAT WELL DETERMINATION    12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all The reserve pit on the referenced location was the APD procedure.	s closed on 9/14/2009 as p e.	NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  APD EXTENSION  OTHER:  ths, volumes, etc.
NAME (PLEASE PRINT) PHONE NUM Mary Maestas 303 824-5526	1BER TITLE Regulatory Assistant	
Mary Maestas 303 824-5526  SIGNATURE N/A	DATE 9/22/2009	

	STATE OF UTAH		FORM 9	
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI			5.LEASE DESIGNATION AND SERIAL NUMBER: U-01304
	RY NOTICES AND REPORTS	_	_	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen ugged wells, or to drill horizontal laterals. I			7.UNIT OF CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: CWU 1227-6H
2. NAME OF OPERATOR: EOG Resources, Inc.				9. API NUMBER: 43047386720000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-93		NUMBER:	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 0702 FEL QTR/QTR, SECTION, TOWNSHI	IP. RANGE. MERIDIAN:			COUNTY: UINTAH
	Township: 09.0S Range: 23.0E Meridian:		STATE: UTAH	
CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE	OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		т	YPE OF ACTION	
l .	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION  DMPLETED OPERATIONS. Clearly show all perred since last submission on	FRACTUR PLUG AN RECLAMA SIDETRA VENT OR SI TA ST. OTHER	TUBING  GLE PRODUCING FORMATIONS  THE TREAT  D ABANDON  ATION OF WELL SITE  CK TO REPAIR WELL  FLARE  ATUS EXTENSION  S including dates, depths, 29 to 10/29/2009	
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMBER</b> 435 781-9145		E ations Clerk	
SIGNATURE N/A		<b>DATE</b> 10/2	9/2009	

	STATE OF UTAH			FORM 9				
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		3	<b>5.LEASI</b> U-013	E DESIGNATION AND SERIAL NUMBER: 04			
	RY NOTICES AND REPORTS		_	6. IF IN	IDIAN, ALLOTTEE OR TRIBE NAME:			
	sals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals.				or CA AGREEMENT NAME: TA WELLS			
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: CWU 1227-6H				
2. NAME OF OPERATOR: EOG Resources, Inc.			NUMBER: 386720000					
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-9	PHONE NUMBER: Ext	1 -	D and POOL or WILDCAT: RAL BUTTES				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 0702 FEL QTR/QTR, SECTION, TOWNSHI	ID DANGE MEDIDIAN.			UINTA				
	Township: 09.0S Range: 23.0E Meridian:		STATE: UTAH					
CHE	CK APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPORT,	OR OTH	HER DATA			
TYPE OF SUBMISSION			TYPE OF ACTION					
	□ CHANGE TO PREVIOUS PLANS     □ CHANGE WELL STATUS     □ DEEPEN     □ OPERATOR CHANGE     □ PRODUCTION START OR RESUME     □ REPERFORATE CURRENT FORMATION     □ TUBING REPAIR     □ WATER SHUTOFF     □ WILDCAT WELL DETERMINATION  OMPLETED OPERATIONS. Clearly show all permitted of the state of the		29/2009 to 12/1/2009. <b>)</b> I <b>O</b> i	Accep Utah I I, Gas				
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMBE</b> 435 781-9145	R	<b>TITLE</b> Operations Clerk					
SIGNATURE N/A			<b>DATE</b> 12/1/2009					

	STATE OF UTAH			FORM 9	
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		3	<b>5.LEASE</b> U-0130	DESIGNATION AND SERIAL NUMBER:
	RY NOTICES AND REPORTS		_	6. IF INI	DIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals.				OF CA AGREEMENT NAME: TA WELLS
1. TYPE OF WELL Gas Well				8. WELL CWU 12	NAME and NUMBER: 227-6H
2. NAME OF OPERATOR: EOG Resources, Inc.		<b>9. API N</b> 430473	<b>UMBER:</b> 86720000		
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-9		HONE NUMBER: xt	1 -	and POOL or WILDCAT: AL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 0702 FEL QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN:			UINTAL	
	Township: 09.0S Range: 23.0E Meridian:		STATE: UTAH		
CHE	CK APPROPRIATE BOXES TO INDICA	ATE NA	ATURE OF NOTICE, REPORT	, OR OTH	ER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
l .	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION OMPLETED OPERATIONS. Clearly show all per	C	1/2009 to 12/31/2009 <b>O</b>	volumes, e	'
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMBE</b> 435 781-9145	R	<b>TITLE</b> Operations Clerk		
SIGNATURE N/A			<b>DATE</b> 12/31/2009		

	STATE OF UTAH DEPARTMENT OF NATURAL RESOUR	.CES		FORM 9
	DIVISION OF OIL, GAS, AND MI			5.LEASE DESIGNATION AND SERIAL NUMBER: U-01304
	RY NOTICES AND REPORTS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals.			7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: CWU 1227-6H
2. NAME OF OPERATOR: EOG Resources, Inc.				9. API NUMBER: 43047386720000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-9		HONE NUMBER: xt	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 0702 FEL				COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 06	rp, range, meridian: Township: 09.0S Range: 23.0E Meridian:	: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NA	ATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	☐ ACIDIZE		ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
SUBSEQUENT REPORT	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
Date of Work Completion:	☐ DEEPEN ☐ OPERATOR CHANGE		FRACTURE TREAT	☐ NEW CONSTRUCTION ☐ PLUG BACK
	PRODUCTION START OR RESUME	_	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	_	/ENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT Report Date:	□ WATER SHUTOFF	□ s	SI TA STATUS EXTENSION	APD EXTENSION
2/2/2010	☐ WILDCAT WELL DETERMINATION	□ c	OTHER	OTHER:
No activity has occu	MPLETED OPERATIONS. Clearly show all pour provided incellast submission or	n 12/	31/2009 to 2/2/2010.	Accepted by the Utah Division of I, Gas and Mining RECORD ONLY
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMBE</b> 435 781-9145	R	<b>TITLE</b> Operations Clerk	
SIGNATURE N/A			<b>DATE</b> 2/2/2010	

	STATE OF UTAH		FORM 9		
	DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: U-01304		
SUND	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	sals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1227-6H		
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047386720000		
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	9. FIELD and POOL or WILDCAT: NATURAL BUTTES				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 0702 FEL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 06	IP, RANGE, MERIDIAN: Township: 09.0S Range: 23.0E Meridian:	S	STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT	, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
SUBSEQUENT REPORT	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
Date of Work Completion:	☐ DEEPEN ☐ OPERATOR CHANGE	☐ FRACTURE TREAT ☐ PLUG AND ABANDON	<ul> <li>□ NEW CONSTRUCTION</li> <li>□ PLUG BACK</li> </ul>		
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	☐ TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL		
✓ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
3/2/2010	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:		
Please see the at	IDMPLETED OPERATIONS. Clearly show all per tached well chronology repor showing all activity up to 3/2	t for the referenced well /2010.	Accepted by the Utah Division of il, Gas and Mining RECORD, ONLY		
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMBE</b> 435 781-9145	R TITLE Operations Clerk			
SIGNATURE N/A		DATE 3/2/2010			

03:00 05:00 2.0 NIPPLE DOWN, CLEAN MUD TANKS. 05:00 06:00 1.0 RDRT, PREPARE FOR APPROX. 7 MILE MOVE TO THE CWU 1372-29. TRUCKS SCHEDULED FOR 0800 ON 02/23/09. SAFETY MEETINGS: RUNNING CASING, CEMENTING. FULL CREWS BOTH TOURS. NO INCIDENTS/ACCIDENTS REPORTED. TRANSFERS FROM CWU 1227-06H TO CWU 1372-29: 4 JOINTS OF 4 1/2" 11.6" N-80 LTC (2 NEW, 2 BAD). 6 JOINTS OF 4 1/2" 11.6" P-110 LTC (NEW). 3 MARKER JOINTS OF 4 1/2" 11.6" P-110 LTC. (NEW) 1500 GAL OF WINTER BLEND FUEL @ \$2.091/GAL. 06:00 RIG RELEASED @ 06:00 HRS, 02/23/09. CASING POINT COST \$3,181,470 02-28-2009 Reported By HACKING \$0 DailyCosts: Drilling Completion \$12,300 **Daily Total** \$12,300 \$3,211,991 \$295,250 **Well Total** \$3,507,242 **Cum Costs: Drilling** Completion 11,355 0 37 0.0 0.0 MD **TVD** 7,182 **Progress** Davs MWVisc **Formation: PBTD**: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: RIH W/ BIT & SCRAPER TO PBTD Start End **Activity Description** 06:00 06:00 24.0 MIRUSU. NU BOPS. PU 3 7/8" BIT & SCRAPER. PU TBS, 310 JTS. EOT @ 10,160'. CIRC BOTTOMS UP. SDFN. 03-03-2009 HACKING Reported By DailyCosts: Drilling \$6,800 **Daily Total** \$6,800 Completion **Cum Costs: Drilling** \$3,211,991 \$302,050 \$3,514,042 Completion Well Total 11,355 0.0 0.0 MD TVD 7,182 Days 38 MWVisc **Progress** Formation: **PBTD**: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: RIH W/TBS. TO PBTD Start End **Activity Description** 06:00 06:00 24.0 0 PSIG. RIH W/35 JTS. TAG @ 11295' CIRC W/160 BBLS. POH. LD 345 JTS, BIT & SCRAPER. ND BOPS. NU TREE. 03-05-2009 SEARLE Reported By \$59,500 \$59,500 DailyCosts: Drilling \$0 Completion **Daily Total** \$3,573,542 **Cum Costs: Drilling** \$3,211,991 Completion \$361,550 Well Total MD 11,355 **TVD** 7,182 39 MW0.0 0.0 **Davs** Visc **Progress Formation: PBTD**: 11304.0 Perf: PKR Depth: 0.0 Activity at Report Time: WO COMPLETION Start End Hrs **Activity Description** 24.0 MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 1200'. EST CEMENT TOP @ 4570'. 06:00 06:00 RD SCHLUMBERGER. 02-09-2010 Reported By HISLOP \$0 \$7,394 \$7,394 DailyCosts: Drilling **Daily Total** Completion Page 30

Cum Cos	ts: Drilling	\$3,2	211,991	Co	mpletion	\$368,944		Well	Total	\$3,580,936	
MD	11,355	TVD	7,182	Progress	0	Days	40	MW	0.0	Visc	0.0
Formatio	n:		<b>PBTD</b> : 1	1304.0		Perf:			PKR Dep	oth: 0.0	
Activity a	ıt Report Ti	me: PREP T	TO PERFORA	ГЕ							
Start	End	Hrs A	ctivity Desc	ription							
06:00	06:00	24.0 S	ICP 0 PSIG. M	IIRUSU. ND T	REE. NU F	RAC VALVE &	BOP. RIH	WITH 2-3	/8" COLLAR	ГО 7420'. РОН.	SDFN.
02-10-20	)10 Re	ported By	НІ	SLOP							
DailyCost	ts: Drilling	\$0		Co	mpletion	\$8,302		Dail	y Total	\$8,302	
Cum Cos	ts: Drilling	\$3,2	211,991	Co	mpletion	\$377,246		Well	Total	\$3,589,238	
MD	11,355	TVD	7,182	Progress	0	Days	41	MW	0.0	Visc	0.0
Formatio	n: NORTH F	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf</b> : 10741	- 10913'		PKR Dep	oth: 0.0	
Activity a	ıt Report Ti	me: PREP 7	ΓO FRAC								
Start	End	Hrs A	ctivity Desc	ription							
06:00	06:00	3/	8" TBG. PERI	FORATED NH	FROM 107	41'-42', 10745	-46', 1077	70'-71', 107	778'-79', 1082	-1/8" TCP GUN: 28'–29', 10835'- CO EOT @ 6450	-36',
02-11-20	)10 Re	ported By	НІ	SLOP							
DailyCost	ts: Drilling	\$0		Co	mpletion	\$7,640		Dail	y Total	\$7,640	
Cum Cos	ts: Drilling	\$3,2	211,991	Co	mpletion	\$384,886		Well	Total	\$3,596,878	
MD	11,355	TVD	7,182	Progress	0	Days	42	MW	0.0	Visc	0.0
Formatio	n: NORTH F	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf</b> : 10741	- 10913'		PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: PREP I	FOR FRAC								
Start	End	Hrs A	ctivity Desc	ription							
06:00	06:00	24.0 S	ITP 0 PSIG. S	ICP 0 PSIG. PO	OH, LD TB	G & TCP GUNS	. ND BOP.	NU 2ND F	RAC VALVE.	RDMOSU.	
02-16-20	)10 Re	eported By	Me	CCURDY							
DailyCost	ts: Drilling	\$0		Co	mpletion	\$4,093		Dail	y Total	\$4,093	
Cum Cos	ts: Drilling	\$3,2	211,991	Co	mpletion	\$388,979		Well	Total	\$3,600,971	
MD	11,355	TVD	7,182	Progress	0	Days	43	MW	0.0	Visc	0.0
Formatio	n: NORTH F	IORN	<b>PBTD</b> : 1	1304.0		<b>Perf</b> : 9962'	- 10913'		PKR De <sub>l</sub>	oth: 0.0	
Activity a	ıt Report Ti	me: FRAC									
Start	End	Hrs A	ctivity Desc	ription							
06:00	06:00	M 4 P: S' 10 P: M 44	IICROBIOCIE 1022 GAL 16# SIG. MTR 48. TAGE #2: RU 0551'–52', 10: HASING. RDV IICROBIOCIE 8924 GAL 16#	DE, 1098 GAL DELTA 140 V BBPM. ATP 6 CUTTERS WI 568'-69', 1059 WL. RU HALI DE, 3614 GAL	16# LINEA W/143700# 2 194 PSIG. A L. SET 6K C 04'-95', 106 LIBURTON, 16# LINEA	R PAD, 18961 (20/40 SAND @ 3 TR 36.6 BPM. I CFP AT 10705'. 1 118'-19', 10647' FRAC DOWN (R PAD, 18953 (	GAL 16# L 2–5 PPG, S SIP 2425 P PERFORA' –48', 1066 CASING W GAL 16# L 2–4 PPG, S	INEAR W/ SCALECHE SIG. RD H. TE NORTH (5' –66', 106 V/500 GAL INEAR W/ SCALECHE	HORN FROM 580'-81' @ 0.75;  **HORN FROM 580'-81' @ 3 S**  15% HCL, 110  16600# 20/40 :  **K HT @ 0.75;	4 10509'-10', 10 SPF & 120 DEG O GAL K-87 SAND @ 1-12 #/1000# PROP. 1	5 PPG, MTP 8415 0533'-34', REE 5 PPG,

STAGE #3: RUWL. SET 6K CFP AT 10463'. PERFORATE NORTH HORN FROM 10194'-95', 10238'-39', 10307'-308', 10332'-33', 10364'-65', 10386'-87', 10399'-400', 10419'-20', 10436'-37' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, 6081 GAL 16# LINEAR PAD, 19530GAL 16# LINEAR W/16900# 20/40 SAND @ 1-1..25 PPG. 53341 GAL 16# DELTA 140 W/183400# 20/40 SAND @ 2-5 PPG, SCALECHEK HT @ 0.75#/1000# PROP. MTP 7886 PSIG. MTR 51.4 BPM. ATP 6247 PSIG. ATR 44.8 BPM. ISIP 2783 PSIG. RD HALLIBURTON.

STAGE #4: RUWL. SET 6K CFP AT 10165'. PERFORATE NORTH HORN FROM 9962'-63', 9978'-79', 10021'-22', 10046'-47', 10064'-65', 10080'-81', 10098'-99', 10110'-11', 10130'-31' @ 3 SPF & 120 DEGREE PHASING. RDWL. SDFN.

02-17-2010	Re	eported By	y 1	MCCURDY							
DailyCosts: I	Prilling	\$0		Cor	mpletion	\$4,093		Daily	Total	\$4,093	
Cum Costs: I	Prilling	\$3,	211,991	Con	mpletion	\$393,072		Well	Total	\$3,605,064	
MD	11,355	TVD	7,182	Progress	0	Days	44	MW	0.0	Visc	0.0
Formation: NORTH HORN PBTD			PBTD:	11304.0		<b>Perf</b> : 9131'	- 10913'		PKR Dep	oth: 0.0	

**Activity at Report Time:** FRAC STAGE 7

#### Start End Hrs **Activity Description**

06:00 06:00 24.0 STAGE #4: SICP 430 PSIG. DROP BALL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, 5966 GAL 16# LINEAR PAD, 20307 GAL 16# LINEAR W/17300# 20/40 SAND @ 1-1.25 PPG, 77137 GAL 16# DELTA 140 W/271500# 20/40 SAND @ 2-5 PPG, SCALECHEK HT @ 0.75#/1000# PROP. MTP 8334 PSIG. MTR 50.2 BPM. ATP 6242 PSIG. ATR 46.3 BPM. ISIP 3424 PSIG. RD HALLIBURTON.

STAGE #5: RUWL. SET 6K CFP AT 9925'. PERFORATE NORTH HORN FROM 9682'-83', 9720'-21', 9739'-40', 9785'-86', 9811'-12', 9838'-39', 9867'-68', 9877'-78', 9891'-92' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 6066 GAL 16# LINEAR PAD, 21415 GAL 16# LINEAR W/5600# 20/40 SAND @ 0.5 PPG, 400 GAL 15% HCL, 5460 GAL 16# LINEAR PAD, 67295 GAL 16# DELTA 140 W/233800# 20/40 SAND @ 1.25-4 PPG, SCALECHEK HT @ 0.75 #/1000# PROP. MTP 8437 PSIG. MTR 51.3 BPM. ATP 6605 PSIG. ATR 49.6 BPM. ISIP 3205 PSIG. RD HALLIBURTON.

STAGE #6: RUWL. SET 6K CFP AT 9640'. PERFORATE NORTH HORN FROM 9400'-01', 9426'-27', 9462'-63', 9500'-01', 9520'-21', 9547'-48', 9577'-78', 9590'-91', 9620'-21' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 6506 GAL 16# LINEAR PAD, 18980 GAL 16# LINEAR W/16600# 20/40 SAND @ 1-1.25 PPG, 62449 GAL 16# DELTA 140  $W/201300\#\ 20/40\ SAND\ @\ 2-4\ PPG,\ SCALECHEK\ HT\ @\ 0.75\#/1000\#\ PROP.\ MTP\ 7096\ PSIG.\ MTR\ 51\ BPM.\ ATP\ PROP.\ MTP\ 7096\ PSIG.\ MTR\ 51\ PPM.\ ATP\ PROP.\ MTP\ 7096\ PSIG.\ MTR\ 7096\ PSIG.\ MTR\$ 6120 PSIG. ATR 50.3 BPM. ISIP 5453 PSIG. RD HALLIBURTON.

STAGE #7: RUWL. SET 6K CFP AT 9365'. PERFORATE NORTH HORN FROM 9131'-32', 9149'-50', 9169'-70', 9195'-96', 9225'-26', 9254'-55', 9301'-02', 9319'-20', 9344'-45' @ 3 SPF & 120 DEGREE PHASING. RDWL. SDFN.

02-18-2010	Re	eported	Ву	MCCURDY	T.						
DailyCosts:	Drilling		\$0		Completion	\$4,093		Daily	Total	\$4,093	
<b>Cum Costs:</b>	Drilling		\$3,211,991		Completion	\$397,165		Well 7	<b>Fotal</b>	\$3,609,157	
MD	11,355	TVD	7,18	2 Progr	ess 0	Days	45	MW	0.0	Visc	0.0
Formation: NORTH HORN PBTD: 1130						<b>Perf:</b> 8154' -	- 10913'	<b>PKR Depth</b> : 0.0			
Activity at R	Report Ti	me: FR	AC STAGE #1	0							

End

Start

Hrs

**Activity Description** 

06:00	06:00	24.0 STAGE #7. SICP 0 PSIG. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87
		MICROBIOCIDE, DROP BALL, 6108 GAL 16# LINEAR PAD, 20996 GAL 16# LINEAR W/ 18400# 20/40 SAND @
		1–1.25 PPG, 78202 GAL 16# DELTA 140 W/269600# 20/40 SAND @ 2–5 PPG, SCALECHEK HT @ 0.75#/1000#
		PROP. MTP 7787 PSIG. MTR 50.6 BPM. ATP 6487 PSIG. ATR 49.7 BPM. ISIP 3407 PSIG. RD HALLIBURTON.

STAGE #8. RUWL. SET 6K CFP AT 9021'. PERFORATE NORTH HORN FROM 8723'-24', 8749'-50', 8767'-68', 8819'-20', 8837'-38', 8871'-72', 8922'-23', 8945'-46', 8973'-74' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 5760 GAL 16# LINEAR PAD, 18972 GAL 16# LINEAR W/16600# 20/40 SAND @ 1-1.25 PPG, 67915 GAL 16# DELTA 140 W/225500# 20/40 SAND @ 2-4 PPG, SCALECHEK HT @ 0.75#/1000# PROP. MTP 7262 PSIG. MTR 50.2 BPM. ATP 5842 PSIG. ATR 49.9 BPM. ISIP 3417 PSIG. RD HALLIBURTON.

STAGE #9. RUWL. SET 6K CFP AT 8682'. PERFORATE NORTH HORN FROM 8432'-33', 8457'-58', 8485'-86', 8505'-06', 8522'-23', 8551'-52', 8584'-85', 8642'-43', 8667'-68' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 5717 GAL 16# LINEAR PAD, 5657 GAL 16# LINEAR W/2800# 20/40 SAND @ .5 PPG,(LOCKED PERFS UP WHEN SAND HIT.) PUMP 300 GAL 15% HCL @ 1.5 BBL/MIN TO 3 BBL/MIN TO PERFS. RESUMED W/ 1778 GAL 16# LINEAR PAD, 93139 GAL 16# DELTA 140 W/284700# 20/40 SAND @ 0.5-5 PPG, SCALECHEK HT @ 0.75#/1000# PROP. MTP 8600 PSIG. MTR 49.6 BPM. ATP 5868 PSIG. ATR 24.1 BPM. ISIP 3228 PSIG. RD HALLIBURTON.

STAGE #10. RUWL. SET 6K CFP AT 8385'. PERFORATE NORTH HORN FROM 8154'–55', 8174'–75', 8206'–07', 8234'–35', 8266'–67', 8284'–85', 8303'–04', 8343'–44', 8368'–69' @ 3 SPF & 120 DEGREE PHASING. RDWL. SDFN.

02-19-2010	Re	ported l	Ву	MCCURDY							
DailyCosts:	Drilling	\$	0	C	ompletion	\$846,822		Daily	Total	\$846,822	
<b>Cum Costs:</b>	Drilling	\$	3,211,991	C	ompletion	\$1,243,987		Well	Total	\$4,455,979	
MD	11,355	TVD	7,18	2 Progress	0	Days	46	MW	0.0	Visc	0.0
Formation: NORTH HORN PBTD				: 11304.0		<b>Perf:</b> 7807' –	10913'		PKR Dep	oth: 0.0	

Activity at Report Time: MIRUSU CLEAN OUT SAND AND DRILL OUT FRAC PLUGS

## Start End Hrs Activity Description

06:00 06:00

24.0 INTIAL PRESSURE 310 PSIG. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 4722 GAL 16# LINEAR PAD, 18956 GAL 16# LINEAR W/16600# 20/40 SAND @ 1-1.25 PPG, 52536 GAL 16# DELTA 140 W/165900# 20/40 SAND @ 2-4 PPG, W/ SCALECHEK HT @ 0.75 LB/1000 PROP. MTP 7602 PSIG. MTR 50.7 BPM. ATP 5798 PSIG. ATR 50.7 BPM. ISIP 1973 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 8110'. PERFORATE NORTH HORN FROM 7807'-08', 7817'-18', 7826'-27', 7856'-57', 7976'-77', 8014'-15', 8023'-24', 8038'-39', 8071'-72'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 4890 GAL 16# LINEAR PAD, 3219 GAL 16# DELTA 140 W/1600# 20/40 SAND @ 0.5 PPG, 2559 GAL 16# DELTA 140 PAD, 85884 GAL 16# DELTA 140 W/272000# 20/40 SAND @ 0.5-5 PPG,W/ SCALECHEK HT @ 0.75 LB/1000 PROP. MTP 8560 PSIG. MTR 50.9 BPM. ATP 6607 PSIG. ATR 39.8 BPM. ISIP 2556 PSIG. RD HALLIBURTON.

RUWL. SET 6K CBP AT 6716'. BLED WELL TO 0 PSIG. RDMO CUTTERS WIRELINE & HALIBURTON SERVICES. SWIFN. MIRUSU. SDFN.

02-20-20	)10 R	eported B	Ву Н	ISLOP							
DailyCost	ts: Drilling	\$0	)	Cor	npletion	\$6,093		Daily	Total	\$6,093	
Cum Cos	ts: Drilling	\$3	3,211,991	Cor	npletion	\$1,250,080		Well	Total	\$4,462,072	
MD	11,355	TVD	7,182	Progress	0	Days	47	MW	0.0	Visc	0.0
<b>Formation:</b> NORTH HORN <b>PBTD:</b> 11304.0 <b>Perf:</b> 7807' – 10913' <b>PKR Depth:</b> 0.0											
Activity a	t Report T	ime: CLEA	AN OUT AFTEI	R FRAC							
Start	End	Hrs	<b>Activity Desc</b>	ription							
06:00	06:00					P. RIH W/3–7/8" ( TO CBP @ 6716'.		K INSERT M	ILL & 2-7/8'	' ECTD MOTO	OR
02-23-20	010 R	eported B	Ву	ISLOP/BAUSC	Н						

DailyCos	ts: Drilling	\$0		Con	npletion	\$21,374		Dail	y Total	\$21,374	
Cum Cos	ts: Drilling	\$3,	211,991	Con	npletion	\$1,271,454		Well	Total	\$4,483,446	
MD	11,355	TVD	7,182	Progress	0	Days	48	MW	0.0	Visc	0.0
Formatio	n: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf:</b> 7807'	- 10913'		PKR De	<b>pth</b> : 0.0	
Activity a	ıt Report Ti	me: CLEA	N OUT AFTE	R FRAC							
Start	End	Hrs A	Activity Desc	cription							
06:00	06:00	I V	PUMPED 120	BBLS TFW TO	REGAIN (	CIRCULATION	. FINISHE	D DRILLIN	G CBP. RIH T	LOST CIRCULA TO CFP @ 8089'. & 9021'. CLEAN	. RU
02-24-20	)10 R	eported By	у Н	ISLOP / BAUSO	CH						
DailyCos	ts: Drilling	\$0		Con	npletion	\$40,880		Dail	y Total	\$40,880	
-	ts: Drilling	\$3,	211,991		npletion	\$1,312,334			Total	\$4,524,326	
MD	11,355	TVD	7,182	Progress	0	Days	49	MW	0.0	Visc	0.0
Formatio	n: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf:</b> 7807'	- 10913 <sup>'</sup>		PKR De	<b>pth:</b> 0.0	
Activity a	ıt Report Ti	me: C/O A	FTER FRAC.							=	
Start	End	Hrs A	Activity Desc	cription							
		( F	GETTING STU	JCK. WORKED	PIPE FOR	R 60' AND CAM	IE FREE. I	POH. LD BI	HA. MU 2 3/8	H TO 7450'. STA " NOTCHED CO ING N2. BLOW	DLLAR.
02-25-20	)10 R	eported By	у Н	ISLOP/BAUSCI	Н						
DailyCos	ts: Drilling	\$0		Con	npletion	\$36,138		Dail	y Total	\$36,138	
Cum Cos	ts: Drilling	\$3,	211,991	Con	npletion	\$1,348,472		Well	Total	\$4,560,464	
MD	11,355	TVD	7,182	Progress	0	Days	51	MW	0.0	Visc	0.0
Formatio	n: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf</b> : 7807'	- 10913 <b>'</b>		PKR De	<b>pth:</b> 0.0	
Activity a	ıt Report Ti	me: RIH W	//MILL & MO	TOR							
Start	End	Hrs A	Activity Desc	cription							
06:00	06:00	F ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	PUMPED TOT.  LAST 45 MIN CIRCULATED DEBRIS. PUM RECOVERED CIRCULATED BBLS TFW DN TO 6970'. RU I SURFACE IN 4	AL 140,000 SCI @ 2 BPM. NO S WITH 115,500 PED 15 BBLS T 78 BLW W/LIG WITH 105,000 N TBG. POH. LI HALLIBURTON	F N2 AT 20 SAND OR SCF N2. R FFW DN T HT SAND SCF N2. 1 D NC. RIH N. CIRCUL AD WELL	00 PSIG MPP. I PLUG DEBRIS RECOVERED 1. BG. RIH TO 93 . PUMPED 15 I 900 PSIG MPP. WITH 3-7/8" ( .ATED W/62,00 1-1/2 HRS. RE	RECOVER DE PUMPEI DE SE BLW. 19 RECOVER DE SE	ED 184 BLV 0 15 BBLS T 000 PSIG M ULATED W 1 DOWN TB RED 116 BL NSERT MII @ 600 SCFI 0 120 BLW.	W. RETURNS FW DN TBG PP. RECOVEI ITH 7,500 SC G. RIH TO 96 W W/TRACE LL &,2-7/8" F M & 1 BPM @ PUMPED 20	FACE @ 5:00 AM STABILIZED FO RIH TO 8323'. RED SOME PLU F N2. 1900 PSIG 523' WITH NO TO S SAND. PUMPE ECTD MOTOR A 1100 PSIG. FLU BBLS TFW DN 7	OR THE  G  MPP.  AG.  D 30  SSEMBLY  UID TO
02-26-20	)10 R	eported By	у Н	ISLOP / BAUSO	CH						
DailyCos	ts: Drilling	\$0		Con	npletion	\$17,916		Dail	y Total	\$17,916	
Cum Cos	ts: Drilling	\$3,	211,991	Con	npletion	\$1,366,388		Well	Total	\$4,578,380	
MD	11,355	TVD	7,182	Progress	0	Days	52	MW	0.0	Visc	0.0
Formatio	n: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf</b> : 7807	- 10913'		PKR De	<b>pth</b> : 0.0	
Activity a	ıt Report Ti	me: PREP	TO POH W/M	ILL & MOTOR					•		

Start	End	Hrs	Activity Description
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06:00 06:00

24.0 PUMPED 20 BLW DN TBG. CIRCULATE W/N2 & TFW UNTIL 7 AM. KILL TBG WITH 20 BBLS. POH TO 6700'. WO HES 2 HRS TO RU PUMP LINES CORRECTLY. FCP 800 PSIG ON 32/64" CHOKE. RIH TO TAG @ 9196'. RU & CIRCULATE WITH 600 SCF/MIN OF N2 & WATER @ 1.5 BPM. 45 MIN. ANNULUS STILL FLOWING @ 800 PSIG. RIH TO 9607'. WELL DIED. INSTALL 1.875" XN WITH PUMP THROUGH PLUG. @ 11:30 AM START PUMPING N2 & WATER. FLUID TO SURFACE 1 HR 45 MIN. CIRCULATED 45 MIN WELL DIED. CONTINUE WORKING TBG @ PUMPING. PUMPED A TTL OF 96000 SCF OF N2 280 BBLS WATER. UNABLE TO REGAIN CIRCULATION. KILL TBG W/20 BBLS. POH TO EOT @ 6750'. PUMP 87500 SCF OF N2 BEFORE SEEING FLUID TO SURFACE. 5:30 PM TO 7:00 PM PUMPED 170,000 SCF OF N2 @ 1000 PSIG W 1 1/2 BPM. TTL 225 BLW. CIRCULATE HOLE. REC 132 BLW. KILL TBG W/15 BLW. RIH TO EOT @ 8340'. PUMPED FROM 7:30 PM TO 10:00 PM. PUMPED 110,000 SCF OF N2 @ 1500 PSIG 1.5 BPM. TTL 225 BLW. COULD NOT GET CIRCULATION. KILL TBG W/15 BLW. POH TO EOT @ 7657'. 10:40 PM TO 1:00 AM PUMPED 105,000 SCF OF N2 @ 800 SCF/M @ 1600 PSIG W 1 1/4 BPM WTR. TTL 210 BLW. COULD NOT GET CIRCULATION. KILL TBG W 15 BLW. POH TO EOT @ 6811'. TRY TO GET CIRCULATION. PUMPED 20 MIN. WELL STARTED TO CIRCULATE. CIRCULATED WELL FROM 1:30 AM TO 3:00 AM. PUMPED 70,000 SCF @ 800 SCFM @ 1500 PSIG. @ 1 1/4 BPM. TTL 120 BLW. REC 120 BLW. INSTALL 1.875" XN WITH PUMP THROUGH PLUG @ 217 JTS. RIH TO EOT @ 7334'. PUMPED 45 MIN. PUMPED 33,000 SCF @ 800 SCF/M @ 1600 PSIG @ 1 ? BPM. NO CIRCULATION.POH TO EOT @ 7203' WELL STARTED TO CIRCULATE. CIRCULATE FROM  $4:00\,\mathrm{AM}$  TO  $6:00\,\mathrm{AM}$ . KILL TBG W  $20\,\mathrm{BLW}$ . RD HES.

02-27-2010	Re	ported l	By	HISLOP							
DailyCosts:	Drilling	\$	60		Completion	\$156,005		Daily	y Total	\$156,005	
<b>Cum Costs:</b>	Drilling	\$	3,211,991		Completion	\$1,522,393		Well	Total	\$4,734,385	
MD	11,355	TVD	7,182	Progres	<b>ss</b> 0	Days	53	MW	0.0	Visc	0.0
Formation:	NORTH H	IORN	PBTD:	11304.0		<b>Perf</b> : 7807' -	- 10913'		PKR Der	oth: 0.0	

Activity at Report Time: MIRU SWAB UNIT

### Start End Hrs Activity Description

06:00 06:00 24.0 RD DRILLING EQUIPMENT. POH LAY DOWN PH-6 WORK STRING & BHA. RIH WITH PRODUCTION TBG

LAND @ 6430' KB. ND BOP. NU TREE. RDMOSU.

TUBING DETAIL LENGTH

PUMP OFF BIT SUB .91'

1 JT 2-3/8" 4.7# N-80 TBG 32.78'

XN NIPPLE 1.30'

196 JTS 2-3/8" 4.7# N-80 TBG 6379.62'

BELOW KB 16.00' LANDED @ 6430.11' KB

	STATE OF UTAH DEPARTMENT OF NATURAL RESOUR	CES	FORM 9
	DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER: U-01304
	RY NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals.		7.UNIT OF CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1227-6H
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047386720000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-9	PHONE NUMBER: 9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0817 FNL 0702 FEL OTR/OTR, SECTION, TOWNSH	ID PANGE MEDIDIAN:		COUNTY: UINTAH
, , , , ,	Township: 09.0S Range: 23.0E Meridian	: S	STATE: UTAH
CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:  CHANGE WELL STATUS  COMMINGLE PRODUCING FORMATIONS  CONVERT WILL  SUBSEQUENT REPORT Date of Work Completion:  DEEPEN  FRACTURE TREAT  NEW CONSTI			
SUBSEQUENT REPORT Date of Work Completion:  □ DEEPEN □ FRACTURE TREAT □ NEW CONSTRUCTION □ OPERATOR CHANGE □ PLUG AND ABANDON □ PLUG BACK □ PRODUCTION START OR RESUME □ RECLAMATION OF WELL SITE □ RECOMPLETE DIFFERENT F			
			RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:  □ REPERFORATE CURRENT FORMATION □ SIDETRACK TO REP □ TUBING REPAIR □ VENT OR FLARE	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
SPUD REPORT Date of Spud:  REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARY ABANDON TUBING REPAIR  VENT OR FLARE WATER DISPOSAL	WATER DISPOSAL		
✓ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION
3/3/2010	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
The referenced well w	ompleted operations. Clearly show all p vas turned to sales on 3/3/20 report for drilling and compl on the subject well.	010. Please see the attache etion operations performed O	ed
NAME (PLEASE PRINT) Mickenzie Gates	<b>PHONE NUMBE</b> 435 781-9145	R TITLE Operations Clerk	
SIGNATURE N/A		<b>DATE</b> 3/9/2010	

# WELL CHRONOLOGY **REPORT**

Report Generated On: 03-09-2010

Well Name	CWU 1227-06H	Well Type	DEVG	Division	DENVER
Field	CHAPITA DEEP	API#	43-047-38672	Well Class	1SA
County, State	UINTAH, UT	Spud Date	01-19-2009	Class Date	03-03-2010
Tax Credit	N	TVD / MD	7,190/ 11,366	Property #	059160
Water Depth	0	Last CSG	2.375	Shoe TVD / MD	0/0
KB / GL Elev	4,907/ 4,891				
Location	Section 6, T9S, R23E, NENE	, 817 FNL & 702 FEL			

<b>Event No</b>	1.0	Descripti	ion DRILL & COMPLI	ETE	
Operator	EOG RESOURO	CES, INC WI %	95.17	NRI %	77.908
AFE No	304032	AFE To	tal 5,877,400	DHC / CWC	2,791,800/3,085,600
Rig Contr	TRUE	Rig Name TR	RUE #31 Start Date	10-06-2006 <b>Rel</b>	lease Date 02–23–2009
10-05-2006	Reported By	SHARON WE	HITLOCK		
DailyCosts: D	rilling \$0	•	Completion \$0	Daily Total	\$0
Cum Costs: D	rilling \$0	•	Completion \$0	Well Total	\$0
MD	0 <b>TVD</b>	0 Progress	s 0 Days	0 <b>MW</b>	0.0 <b>Visc</b> 0.0
Formation:		<b>PBTD</b> : 0.0	Perf:	PK	<b>R Depth</b> : 0.0

**Activity at Report Time:** LOCATION DATA

Start **Activity Description** 

06:00 06:00 24.0 LOCATION DATA (Changed to horizontal well)

SHL: 817' FNL & 702' FEL (NE/NE LOT 1)

SECTION 6, T9S, R23E UINTAH COUNTY, UTAH

LAT 40.069750, LONG 109.362839 (NAD 83) LAT 40.069786, LONG 109.362158 (NAD 27)

BHL TARGET: 10' FSL & 1330' FEL (SW/SE)

SECTION 6, T9S, R23E UINTAH COUNTY, UTAH

TRUE #31

OBJECTIVE: 7175' TVD/11,379' MD MESAVERDE

DW/GAS

CHAPITA WELLS UNIT PROSPECT

DD&A: CHAPITA DEEP NATURAL BUTTES FIELD

LEASE: U-01304

ELEVATION: 4891' NAT GL, 4891' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 4891') 4907' KB (16')

# EOG BPO WI 95.170152%, NRI 77.908304% EOG APO WI 55.5827%, NRI 46.061930%

	Loo	711 0 1112	)5.502770, THE	0.0017507	· ·					
12-15-2008 Re	eported By	TI	ERRY CSERE							
DailyCosts: Drilling	\$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$0		Com	pletion	\$0		Well	Total	\$0	
<b>MD</b> 0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	]	<b>PBTD</b> : 0	.0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity at Report Ti	me: BUILD LO	OCATION								
Start End	Hrs Acti	vity Desc	ription							
06:00 06:00	24.0 CON	STRUCTI	ON OF LOCATI	ON STAR	TED TODAY.					
2-16-2008 Re	eported By	TI	ERRY CSERE							
DailyCosts: Drilling	\$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$0		Com	pletion	\$0		Well	Total	\$0	
<b>MD</b> 0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	]	<b>PBTD</b> : 0	0.0		Perf:			PKR Dej	<b>pth:</b> 0.0	
Activity at Report Ti	me: BUILD LO	OCATION								
Start End	Hrs Acti	vity Desc	ription							
06:00 06:00	24.0 PUS	HING OUT	Г РІТ.							
2-17-2008 Re	eported By	TI	ERRY CSERE							
DailyCosts: Drilling	\$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$0		Com	pletion	\$0		Well	Total	\$0	
<b>MD</b> 0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	]	<b>PBTD</b> : 0	.0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity at Report Ti	me: BUILD LO	OCATION								
Start End	Hrs Acti	vity Desc	ription							
06:00 06:00	24.0 ROC	KED OUT	. DRILLING RO	OCK.						
2-18-2008 Re	eported By	TI	ERRY CSERE							
DailyCosts: Drilling	\$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$0		Com	pletion	\$0		Well	Total	\$0	
<b>MD</b> 0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	]	<b>PBTD</b> : 0	.0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity at Report Ti	me: BUILD LO	OCATION								
Start End	Hrs Acti	vity Desc	ription							
06:00 06:00	24.0 DRII	LLING RO	CK.							
2-19-2008 Re	eported By	TI	ERRY CSERE							
DailyCosts: Drilling	\$0		Com	pletion	\$0		Dail	y Total	\$0	
	\$0		Com	pletion	\$0		Well	Total	\$0	
Cum Costs: Drilling	Φ0			-						
Cum Costs: Drilling MD 0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0

Activity at Report	Time:	BUILD LOCATION
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Start	End	Hrs	Activity Description
06:00	06:00	24.0	SHOOTING TODAY.
12 22 20	100 D	on out od D	IEDDV BADNES/TEDI

12-22-2008	Re	eported By	J	ERRY BARNES/	TERRY C	SERE					
DailyCosts: D	rilling	\$0		Com	pletion	\$0		Daily	Total	\$0	
<b>Cum Costs: Drilling</b>		\$0	Completion			\$0		Well Total			
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :			PBTD:	0.0		Perf:			PKR De	<b>pth:</b> 0.0	

Activity at Report Time: SPUD NOTIFICATION/BUILD LOCATION

Start Find firs Activity Describito	Start	End	Hrs	Activity Descriptio
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06:00 06:00 24.0 CRAIGS ROUSTABOUT SERVICE SPUD A 26" HOLE ON 12/20/08 @ 3:30 PM. SET 60' OF 16" CONDUCTOR. CEMENT TO SURFACE WITH READY MIX. JERRY BARNES NOTIFIED CAROL DANIELS W/UDOGM AND MICHAEL LEE W/BLM OF THE SPUD 12/20/08 @ 2:30 PM. LINE TODAY.

12-23-2008	Re	eported By	Т	ERRY CSERE							
DailyCosts: I	Prilling	\$0		Com	pletion	\$0		Daily	Total	\$0	
Cum Costs: I	Orilling	\$0		Com	pletion	\$0		Well	<b>Fotal</b>	\$0	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :			<b>PBTD</b> : 0.0 <b>Perf</b> :				PKR Depth: 0.0				

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	<b>Activity Description</b>
06:00	06:00	24.0	LOCATION COMPLETE.

01-01-2009 Reported By			L	ES FARNSWOR	ГН						
DailyCosts: D	rilling	\$271	,599	Com	\$0		Daily Total				
<b>Cum Costs: Drilling</b>		\$271,599		Completion \$0		\$0		Well 7	<b>Fotal</b>	\$271,599	
MD	2,566	TVD	2,566	Progress	0	Days	0	MW	0.0	Visc	0.0
<b>35</b> 48			DDED			D 0			DIZD D		

Formation: **PBTD**: 0.0 PKR Depth: 0.0 Perf:

Activity at Report Time: WORT

#### Start End Hrs **Activity Description**

06:00 06:00 24.0 MIRU CRAIGS DRILLING RIG # 3 ON 12/22/2008. DRILLED 12-1/4" HOLE TO 2550' GL (2566' KB). ENCOUNTERED WATER @ 2100'. FLUID DRILLED HOLE FROM 2120' WITH NO LOSSES. RAN 59 JTS (2544.81') OF 9-5/8", 36.0#, J-55, STC CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE.TAGGED FILL @ 2544' WITH JOINT # 60. LAID DOWN JOINT # 60. LANDED @ 2560' KB. RAN 200' OF 1" PIPE DOWN BACKSIDE. RDMO CRAIGS RIG.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 1850 PSIG. PUMPED 130 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT. MIXED & PUMPED 250 SX (183 BBLS) OF PREMIUM LEAD CEMENT W/ 0.2% VARASET, 2% CALSEAL, & 2% EX-1. MIXED LEAD CEMENT @ 10.5 PPG W/YIELD OF 4.10 CF/SX.

TAILED IN W/ 300 SX (63 BBLS) OF PREMIUM CEMENT. W/ 2 % CACL2 MIXED TAIL CEMENT TO 15.6 W/ YIELD OF1.18 CF/SX. DISPLACED CEMENT W/193 BBLS FRESH WATER, BUMPED PLUG W/ 578# @ 8:18 PM, 12/30/2008. CHECKED FLOAT, FLOAT HELD. SHUT-IN CASING VALVE. BROKE CIRCULATION 120 BBLS INTO FRESH WATER FLUSH. LOST RETURNS AT 35 BBLS INTO TAIL CEMENT. NO CEMENT TO SURFACE.

TOP JOB # 1: PUMP DOWN 200' OF 1" PIPE. MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/ 2 % CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 5 HRS.

TOP JOB # 2: MIXED & PUMPED 150 SX (31 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. HOLE FILLED & STOOD FULL. RDMO HALLIBURTON CEMENTERS.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIGS TOOK SURVEYS AFTER SETTING CASING @ 1400' = 1.0 DEGREE & 2488' = 2.25 DEGREE.

CONDUCTOR LEVEL RECORD: PS= 89.9 OPS= 89.9 VDS= 90.0 MS= 89.9 9 5/8 CASING LEVEL RECORD: PS= 89.8 OPS= 89.7 VDS= 89.7 MS= 89.8

KYLAN COOK EMAILED NOTIFICATION TO BLM OF THE SURFACE CASING & CEMENT JOB ON 12/23/2008 @  $11:50~\mathrm{AM}$ .

01-18-2009	Re	eported By	R.	DYSART							
DailyCosts:	Drilling	\$31,6	570	Con	npletion	\$0		Daily	Total	\$31,670	
<b>Cum Costs: Drilling</b>		\$303,269		Completion		\$0		Well Total		\$303,269	
MD	2,566	TVD	2,566	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :			<b>PBTD</b> : 0.	.0		Perf:			PKR Dei	oth: 0.0	

**Activity at Report Time: RURT** 

Start	End	Hrs Activity Description
06:00	17:00	11.0 HOLD PRE–JOB SAFETY MTG. RIG MOVE 7 MILES FROM CWU 1362–25 TO CWU 1227–06H, SPOT & SET SUBS, PONDEROSA CONST. ON SITE, CONFIRM WELL HEAD & ROTARY TABLE LEVEL WITH LASER LEVEL, CENTER UP ROTARY WITH PLUMB BOB, RAISE MAST @ 1700 HRS
17:00	06:00	13.0 RURT/ INSTALL SPACER SPOOL ON WELLHEAD
		RIG UP #2 INDEPENDENT MUD PUMP (PLUMBING & CONTROL LINES).

EST. SPUD TIME: 0600 ON 1/19/09

NO ACCIDENTS OR INCIDENTS REPORTED, FULL CREWS

SAFETY MTGS: RIG MOVE & RIG UP

FUEL: 1100, USED 1200.

#### NIGHTMAN / KELLY SPOONTS

01-19-2009 Reported By				. DYSART, K. S	POONTS						
DailyCosts: Drilling \$8		\$89,	629	Con	\$0		Daily	Total	\$89,629		
<b>Cum Costs: Drilling</b>		\$392	2,898	Completion		\$0		Well 7	<b>Total</b>	\$392,898	
MD 2	2,670	TVD	2,670	Progress	111	Days	1	MW	8.5	Visc	28.0
Formation: PBTD				0.0	Perf:			PKR De <sub>l</sub>	oth: 0.0		
Activity at Rep	ort Ti	me: DRILLI	NG @ 2670	,							

Start End Hrs Activity Description

06:00 12:00 6.0 RURT, TIE IN INDEPENDENT MUD PUMP, CEMENT UP CELLAR TO TO BOTTOM OF BASE PLATE.

12:00	18:00	6.0 START DAY WORK @ 1200 HRS ON 01/18/09. TEST BOPE AS PER PROGRAM. NOTIFIED BLM VERNAL OFFICE VIA EMAIL ON 01/17/09 @ 1800 HRS FOR BOP TEST. INSIDE BOP, SAFETY VALVE, UPPER/LOWER KELLY COCK 250/5000 PSI 5/10 MIN. HCR, CHOKE LINE, KILL LINE, 250/5000 PSI 5/10 MIN. CHOKE MANIFOLD, 250/5000 PSI 5/10 MIN. PIPE RAMS, BLIND RAMS, 250/5000 PSI 5/10 MIN. ANNULAR, 250/2500 PSI 5/10 MIN. TEST 9 5/8" CASING TO1500 PSI 30 MIN.
18:00	20:00	2.0 WAIT ON FMC, DELIVERY OF CORRECT WEAR BUSHING
20:00	20:30	0.5 R/U LAY DOWN MACHINE AND HOLD S/M W/LAY DOWN CREW.
20:30	02:00	5.5 P/U DIRECTION TOOLS & BHA.
		TRIP IN HOLE & TAG CEMENT @ 2500'
		RIG DOWN L/D MACHINE
02:00	03:00	1.0 DRILL CEMENT/FLOAT EQUIP. FROM 2500' TO 2559' F/C @ 2515' SHOE @ 2559' (AUTO DRILLER DOWN)
		DRILL 10' RAT HOLE TO 2569'
03:00	03:30	0.5 CIRC HOLE, SPOT HI–VIS LCM PILL ON BOTTOM, PULL BIT INTO SHOE, CONDUCT FIT WITH 8.5 PPG FLUID, 10.7 EMW (290 PSI)
03:30	06:00	2.5 DRILL ROTATE 2569' TO 2670' (101') ROP 40
		WOB 8/16K, RPM 55/65 + 68, GPM 420, PSI 1200
		M/W 8.5, VIS 28 (DRILL PIPE SCREEN IN USE)
		NO ACCIDENT OR INCIDENTS REPORTED, FULL CREWS, CHECK COM
		SAFETY MTGS: TEST BOPE, PICK UP BHA
		FUEL: 8600, RECEIVED 8000
		MUD LOGGER RIGGED UP, DAY 1.

06:00 SPUD 8 7/8" HOLE W/ROTARY TOOLS @ 03:30 HRS, 1/19/09.

R. DYSART, K. SPOONTS

01-20-2009

Reported By

Daily Costs: Drilling\$74,672Completion\$0Daily Total\$74,672												
Cum Cos	ts: Drilling	\$467,5	570	Con	npletion	\$0		Well	Total	\$467,570		
MD	3,382	TVD	3,382	Progress	712	Days	2	MW	11.6	Visc	51.0	
Formatio	n:		<b>PBTD</b> : 0	.0		Perf:		<b>PKR Depth:</b> 0.0				
Activity at Report Time: DRILLING @ 3382'												
Start	End	Hrs Act	tivity Desc	ription								
06:00	09:00	3.0 DRI	$3.0\ \ DRILL\ ROTATE\ 2670'\ TO\ 2884',\ WOB\ 8/16K,\ RPM\ 55/65+68,\ GPM\ 420,\ PSI\ 1200$									
		M/V	M/W 8.5, VIS 28 (DRILL PIPE SCREEN IN USE).									
09:00	11:00		2.0 TRIP OUT OF HOLE FROM 2884' TO 2550' (CASING SHOE). LOCATE & REPAIR AIR LEAK ON RIG AIR SYSTEM, TRIP IN HOLE TO 2884'.									
11:00	11:30	0.5 SER	RVICE RIG.									
11:30	16:00	4.5 DRI	ILL ROTAT	E 2884' TO 323	2' (348') R	OP 77, WOB	16/20K, RP	M 55/65 + 68	, GPM 420, PS	SI 1200/1400		
		M/V	W 8.6, VIS 3	34.								
16:00	18:00			S KICK @ 3232 TO 10.5 PPG.	' DIVERT	THROUGH	SEPERATOF	R, CIRCULAT	ΓE SYSTEM 4	420 GPM, WEI	GHT UP	
18:00	20:00	2.0 CIR	2.0 CIRCULATE HOLE & FLARE GAS.									
20:00	22:00	2.0 CIR	CULATE &	FLARE, WEIG	GHT UP S	YSTEM TO 1	1 PPG.					
					D							

22:00	22:30	0.5 DRILL ROTATE 3232' TO 3288', 30'/70' FLARE.
22:30	03:00	4.5 CIRCULATE & FLARE, MUD WEIGHT 11 PPG, 30'/70' FLARE.
03:00	04:00	1.0 SHUT IN WELL. CIRCULATE ON FULL OPEN CHOKE, 100 SPM, 1200 PSI,
04:00	05:00	1.0 LOSS OF RETURNS NO FLARE, OPEN UP WELL, CIRC 62 SPM, 450 PSI, CUT MUD WEIGHT BACK TO 10.5, ADD LCM, REGAIN CIRCULATION.
05:00	06:00	$1.0\ \ DRILL\ ROTATE\ 3288'\ TO\ 3382'\ (94')\ ROP\ 94,\ WOB\ 18/20K,\ RPM\ 60/65+56,\ 350\ GPM,\ 1850$
		10.5, VIS 36 PARTIAL RETURNS

NO ACCIDENT OR INCIDENTS REPORTED, FULL CREWS, CHECK COM

SAFETY MTGS: DRILLING, WELL CONTROL, BOP DRILL DAYLIGHTS: 60 SEC

FUEL: 7100, USED 1500 BOILER 24 HRS

MUD LOGGER: DAY 2

Formation : PBTD			<b>PBTD</b> : (	0.0		Perf:			PKR Dep	oth: 0.0	
MD 4	1,750	TVD	4,749	Progress	1,368	Days	3	MW	10.6	Visc	38.0
Cum Costs: Drilling \$516,980		980	Con	npletion	\$0		Well	Total	\$516,980		
DailyCosts: Dr	illing	\$49,4	09	Con	npletion	\$0		Daily	Total	\$49,409	
01-21-2009	Re	ported By	R	. DYSART, K. S	POONTS						

Activity at Report Time: DRILLING @ 4750'

Start	End	Hrs Activity Description
06:00	07:30	1.5 DRILL ROTATE 3382' TO 3446' (64') ROP 42
		WOB 16/20K, RPM 60/65 + 68, GPM 420, PSI 1700/1900, MW 10.9, VIS 37.
07:30	08:00	0.5 DRILL SLIDE 3446' TO 3461'
08:00	10:30	2.5 ROTATE F/3461–3634' (173' @ 69.2'/HR) 14–18K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1850 PSI.
		MUD WT. 10.8 35 VIS.
10:30	11:00	0.5 SLIDE F/3634–3644' (10' @ 20'/HR) 20K WOB, 10M TFO, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.8 35 VIS.
11:00	13:00	2.0 ROTATE F/3644–3825' (181' @ 90.5'/HR) 14–18K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1850 PSI.
		MUD WT. 10.8 35 VIS.
13:00	13:30	0.5 SLIDE F/3825-3839' (14' @ 28'/HR) 20K WOB, 5M TFO, 67 MOTOR, 419 GPM, 1600-1800 PSI.
		MUD WT. 10.8 35 VIS.
13:30	14:30	1.0 ROTATE F/3939–3920' (81' @ 81'/HR) 16K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1850 PSI.
		MUD WT. 10.8 35 VIS.
14:30	15:00	0.5 SLIDE F/3920–3940' (20' @ 40'/HR) 20K WOB, 350M TFO, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.8 36 VIS.
15:00	16:00	$1.0\ \ \text{ROTATE F/3940-4014'}\ (74\text{'}\ @\ 74\text{'}/\text{HR})\ 16-20\text{K WOB}, 50-60\ \text{RPM ROTARY}, 67\ \text{MOTOR}, 419\ \text{GPM}, 1650-1800\ \text{PSI}.$
		MUD WT. 10.8 35 VIS.
16:00	16:30	0.5 SLIDE F/4014–4039' (25' @ 50'/HR) 20K WOB, 350M TFO, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.7 36 VIS.
16:30	17:00	0.5 SERVICE RIG.
17:00	18:00	1.0 ROTATE F/4039–4110' (71' @ 71'/HR) 16–20K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.7 36 VIS.
18:00	18:30	0.5 SLIDE F/4110–4130' (20' @ 40'/HR) 10K WOB, 30M TFO, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.7 36 VIS.
18:30	19:30	1.0 ROTATE F/4130–4205' (75' @ 75'/HR) 16–18K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1800 PSI.
		MUD WT. 10.7 36 VIS.

19:30	20:00	0.5 SLIDE F/4205–4225' (20' @ 40'/HR) 13K WOB, 350M TFO, 67 MOTOR, 419 GPM, 1600–1700 PSI.
		MUD WT. 10.7 36 VIS.
20:00	22:00	$2.0\ \ ROTATE\ F/4225-4299'\ (74'\ @\ 37'/HR)\ 16-18K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI.$
		MUD WT. 10.7 36 VIS.
22:00	23:00	1.0 SLIDE F/4299–4420' (21' @ 40'/HR) 13K WOB, 30M TFO, 67 MOTOR, 419 GPM, 1600–1700 PSI.
		MUD WT. 10.7 36 VIS.
23:00	00:00	$1.0\ \ ROTATE\ F/4420-4490'\ (70'\ @\ 70'/HR)\ 16-18K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI.$
		MUD WT. 10.7 36 VIS.
00:00	00:30	$0.5 \;\; \text{SLIDE F/4490-4511'} \; (21' \; @ \; 42' \text{/HR}) \; 13-15 \text{K WOB}, \\ 350 \text{M TFO}, \; 67 \; \text{MOTOR}, \\ 419 \; \text{GPM}, \; 1600-1700 \; \text{PSI}.$
		MUD WT. 10.7 36 VIS.
00:30	01:30	$1.0\ \ ROTATE\ F/4511-4583'\ (72'\ @\ 72'/HR)\ 16-18K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI.$
		MUD WT. 10.6 38 VIS.
01:30	02:30	1.0 SLIDE F/4583–4603' (20' @ 20'/HR) 13–15K WOB, 30M TFO, 67 MOTOR, 419 GPM, 1600–1700 PSI.
		MUD WT. 10.6 38 VIS.
02:30	04:00	$1.5\ \ ROTATE\ F/4603-4670'\ (67'\ @\ 44.8/HR)\ 16-18K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI.$
		MUD WT. 10.6 38 VIS.
04:00	05:00	$1.0 \;\; \text{SLIDE F/4670-4696'} \; (26\text{'} \; @ \; 26\text{'}/\text{HR}) \; 13-15\text{K WOB}, \\ 30\text{M TFO}, \; 67\text{ MOTOR}, \\ 419\text{ GPM}, \; 1600-1700\text{ PSI}.$
		MUD WT. 10.6 38 VIS.
05:00	06:00	$1.0\ \ ROTATE\ F/4696-4750'\ (54'\ @\ 54/HR)\ 16-18K\ WOB, 50-60\ RPM\ ROTARY, 67\ MOTOR, 419\ GPM, 1600-1800\ PSI.$
		MUD WT. 10.6 38 VIS.
		SAFETY MEETINGS: FALL PROTECTION, 100% TIE OFF.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 5100 GAL. USED TODAY: 2200 GAL.
		BOILER 24 HOURS.
		FORMATION: MAHOGONY OIL SHALE, NO LOSSES, NO FLARE.

01-22-2009	Re	ported By	W	BEARDSLEY,	J SCHLEN	IKER					
DailyCosts: I	Drilling	\$110	,114	Con	npletion	\$0		Daily	Total	\$110,114	
Cum Costs: 1	Drilling	\$627	,094	Con	npletion	\$0		Well	Total	\$627,094	
MD	5,750	TVD	5,749	Progress	1,000	Days	4	MW	10.5	Visc	40.0
Formation: PBTD			<b>PBTD</b> : 0	0.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: DRILLING @ 5750'

MUD LOGGER: DAY 3

Start	End	Hrs	Activity Description
06:00	12:00	6.0	ROTATE/SLIDE F/4750–4927' (177' @ 29.5/HR) 10–20K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1800 PSI.
			SLIDES: 4772–4789', 4865–4871' @ 350 TO 30 MTF, TOTAL 23'
			MUD WT. 10.4 38 VIS.
12:00	12:30	0.5	SERVICE RIG.
12:30	13:00	0.5	WORK ON PUMP.
13:00	06:00	17.0	ROTATE/SLIDE F/4927–5750' (823' @ 48.4/HR) 10–20K WOB, 50–60 RPM ROTARY, 67 MOTOR, 419 GPM, 1600–1800 PSI.
			SLIDES: 4958-4968', 5052-5062', 5148-5158' @ 350 TO 30 MTF, TOTAL 30'

MUD WT. 10.5 40 VIS.

SAFETY MEETINGS: WORKING THE BOARD, 100% TIE OFF.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 2900 GAL. USED TODAY: 2200 GAL.

BOILER 24 HOURS.

FORMATION: WASATCH, NO LOSSES, NO FLARE

MUD LOGGER: DAY 4

01-23-2009	Re	eported By	W	BEARDSLEY,	NKER						
DailyCosts: Drilling \$95,869		869	<b>Completion</b> \$0				Daily	Total	\$95,869		
Cum Costs: Drilling \$722,96		2,963	Con	npletion	\$0		Well 7	<b>Fotal</b>	\$722,963		
MD	6,373	TVD	6,373	Progress	624	Days	5	MW	10.4	Visc	39.0
Formation: PBTD			<b>PBTD</b> : 0	.0		Perf:			PKR Der	oth: 0.0	

Activity at Report Time: TIH WITH BUILD ASSEMBLY

Start	End	Hrs	Activity Description
06:00	16:00	10.0	DRILL ROTATE 5749'-6341' (592' @ 59.2/HR) WOB 16/20,000, RPM 60 + 67MM, 420 GPM, 18/2000 PSI.
			MW 10.4, VIS 41.
16:00	16:30	0.5	SERVICE RIG.
16:30	17:00	0.5	DRILL ROTATE 6341'-6373' (32' @ 64/HR) SAME PARAMETERS AS ABOVE. MW 10.4, VIS 41.
17:00	17:30	0.5	CIRCULATE FOR TRIP TO CHANGE BHA, PUMP SLUG.
17:30	21:00	3.5	TOOH, HOLE TAKING FLUID, LOST 80 BBLS OF MUD.
21:00	00:30	3.5	PU DIRECTIONAL TOOLS, 8 3/4" BIT – FMHX853Z AND TRIP TO SHOE.
00:30	03:30	3.0	CHANGE OUT KELLY REQUIRED TO RUN DIRECTIONAL TOOLS, RU MDS SENSORS.
03:30	05:00	1.5	TIH TO 4510', ENCOUNTERED TIGHT SPOT, LD 3 JTS, WASH & REAM BACK IN, LOST 60 BBLS OF MUD.
05:00	06:00	1.0	WASH & REAM, BUILD MUD VOLUME.

SAFETY MEETINGS, TRIPPING PIPE & CHANGE OUT KELLY.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 8,800 GAL. USED TODAY: 2,100 GAL.(RECD 8,000 GAL @ \$2.26/GAL)

BOILER 24 HOURS.

FORMATION: BUCK CANYON, NO FLARE

LOST 150 BBLS OF MUD. MUD LOGGER: DAY 5

01-24-2009	Re	eported By	W	BEARDSLEY,	J SCHLEN	NKER					
DailyCosts: Drilling \$64,286		86	<b>Completion</b> \$0				Daily Total				
Cum Costs: Drilling \$787,859		859	<b>Completion</b> \$0			Well Total					
MD	6,440	TVD	6,440	Progress	67	Days	6	MW	10.5	Visc	38.0
Formation: PBTD			<b>PBTD</b> : 0	<b>:</b> 0.0 <b>Perf :</b>					PKR Dep	oth: 0.0	

Activity at Report Time: DRILLING @ 6440'

Start 1	End	Hrs	<b>Activity Description</b>
06:00	06:30	0.5	TRIP IN HOLE WITH CURVE ASS. TO 4858'. TAGGED UP, TIGHT HOLE.
			MUD WT. 10.4 VIS 38.
06:30	07:00	0.5	WASH/REAM F/4858–4967'.
			MUD WT. 10.4, VIS 38.
07:00	07:30	0.5	TRIP IN HOLE F/4967–5772'. TAGGED UP, TIGHT HOLE.
			MUD WT. 10.4 VIS 38.
07:30	08:30	1.0	WASH/REAM F/5772–5881'.
			MUD WT. 10.4 VIS 38.
08:30	09:00	0.5	TRIP IN HOLE TO 6024'.
			MUD WT. 10.4 VIS 38.
09:00	11:00	2.0	WORK TIGHT HOLE @ 5990–6000'. PACKED OFF, WILL NOT CIRCULATE. WORK PIPE, ROLL PUMP. WORK OUT 3 JOINTS, PIPE FREE, REGAIN CIRCULATION.
			MUD WT. 10.4 VIS 38.
11:00	12:00	1.0	CIRCULATE, PUMP HI–VIS SWEEP. NO LARGE CUTTINGS OVER SHAKER.
			MUD WT. 10.4 VIS 38.
12:00	13:30	1.5	CIRCULATE, LAY DOWN 11 JTS WITH KELLY TO 5500', NO TIGHT HOLE.
			MUD WT. 10.4 VIS 38.
13:30	14:30	1.0	PUMP HI–VIS SWEEP.
			MUD WT 10.5 VIS 38.
14:30	15:30	1.0	LAY DOWN 12 JTS WITH BLOCK, PULL 8 STANDS TO 4450', ABOVE FIRST TIGHT HOLE ON TRIP IN. HOLE CLEAN, NO EXCESSIVE OVERPULL.
			MUD WT. 10.5, VIS 38.
15:30	16:00	0.5	TRIP IN HOLE 12 STANDS TO 5581'. NO TIGHT HOLE.
			MUD WT. 10.5 VIS 38.
16:00	19:00	3.0	WASH/REAM F/5581–6373'. CLEAN HOLE TO 6038'. INTERMITTENT SPOTS FROM 2–6' IN LENGTH FROM 6038–6373' REQUIRING SLOWER REAMING TO CLEAN OUT. REAMED ANY TIGHTER SECTIONS 2–3 TIMES.
19:00	19:30	0.5	SERVICE RIG.
19:30	06:00		DRILL (SLIDE & ROTATE) F/6373–6440' (67' @ 6.4'/HR) 8–18K WOB, 225 MTF, 405 GPM, 0–30 RPM ROTARY, 81 RPM MOTOR, 2000–2300 PSI.
			DIFFICULTY SLIDING, HANGING UP. WORKED PIPE, ROTATED TO ATTEMPT TO CLEAN UP.
			ROTATED 6378–6380, 6392–6395', 6403–6411'.
			STARTED LOSING MUD @ APPROX. 2200, 6380–6385'. LOST 200–250 BBL MUD, TRANSFERRED PRE–MIXED MUD, BUILDING VOLUME. RAN MULTIPLE MICA/SAWDUST/NUTPLUG SWEEPS. LOSSES STABILIZED.
			MUD WT. 10.5, VIS 38.
			SAFETY MEETINGS, TRIPPING PIPE, LAST DAY.
			FULL CREWS BOTH TOURS.
			NO INCIDENTS/ACCIDENTS REPORTED.
			COM CHECKED BY BOTH TOURS.
			FUEL ON HAND: 7000 GAL. USED TODAY: 1800 GAL.
			BOILER 24 HOURS.
			FORMATION: BUCK CANYON, NO FLARE
			MUD LOGGER: DAY 6.
01-25-2009	Re	ported I	By W BEARDSLEY, J SCHLENKER
DailyCosts:	Drilling	\$:	<b>Completion</b> \$0 <b>Daily Total</b> \$59,361

MD
Start End Hrs Activity Description  06:00 20:00 14.0 DRILL (SLIDE) F/6440-6463' (23' @ 1.6'/HR) 8-28K WOB, 225 MTF, 405 GPM, 0-30 RPM ROTARY, 81 RPM MOTOR, 2000-2300 PSI.  HANGING UP BADLY, UNABLE TO SLIDE. PUMP SWEEPS W/BEADS, CAL CARB,MICA, DRILL ZONE, QUICK SLIDE, NUTPLUG. DID NOT HELP. CONTINUE TO WORK PIPE, ROCK ROTARY TABLE, ATTEMPT TO SHAKE WEIGHT TO BIT, UNABLE TO DRILL EFFECTIVELY.  MUD WT 10.5, VIS 38.  20:00 21:00 1.0 PUMP HI-VIS SWEEP, CIRCULATE BOTTOMS UP.  MUD WT 10.5, VIS 41.  21:00 02:00 5.0 TRIP OUT OF HOLE FOR BHA CHANGE. NO TIGHT HOLE.  MUD WT 10.5, VIS 41.  02:00 03:00 1.0 LAY DOWN STABILIZED BUILD MOTOR, PICK UP SLICK BUILD MOTOR. MOVE SHOCK SUB TO TOP OF AGITATOR, LAY DOWN FMHX853Z BIT, PICK UP HCM506Z BIT.  MUD WT 10.5, VIS 41.  03:30 06:00 2.5 TRIP IN HOLE WITH BHA #3.  MUD WT 10.5, VIS 40.
Start End Hrs Activity Description  06:00 20:00 14:0 DRILL (SLIDE) F/6440-6463' (23' @ 1.6'/HR) 8-28K WOB, 225 MTF, 405 GPM, 0-30 RPM ROTARY, 81 RPM MOTOR, 2000-2300 PSI.  HANGING UP BADLY, UNABLE TO SLIDE. PUMP SWEEPS W/BEADS, CAL CARB,MICA, DRILL ZONE, QUICK SLIDE, NUTPLUG. DID NOT HELP, CONTINUE TO WORK PIPE, ROCK ROTARY TABLE, ATTEMPT TO SHAKE WEIGHT TO BIT, UNABLE TO DRILL EFFECTIVELY.  MUD WT 10.5, VIS 38.  20:00 21:00 1.0 PUMP HI-VIS SWEEP, CIRCULATE BOTTOMS UP.  MUD WT 10.5, VIS 41.  21:00 02:00 5.0 TRIP OUT OF HOLE FOR BHA CHANGE. NO TIGHT HOLE.  MUD WT 10.5, VIS 41.  02:00 03:00 1.0 LAY DOWN STABILIZED BUILD MOTOR, PICK UP SLICK BUILD MOTOR. MOVE SHOCK SUB TO TOP OF AGITATOR, LAY DOWN FMHX853Z BIT, PICK UP HCM506Z BIT.  MUD WT 10.5, VIS 41.  03:30 06:00 2.5 TRIP IN HOLE WITH BHA #3.  MUD WT 10.5, VIS 40.
14.0 DRILL (SLIDE) F/6440–6463' (23' @ 1.6'/HR) 8–28K WOB, 225 MTF, 405 GPM, 0–30 RPM ROTARY, 81 RPM MOTOR, 2000–2300 PSI.  HANGING UP BADLY, UNABLE TO SLIDE. PUMP SWEEPS W/BEADS, CAL CARB,MICA, DRILL ZONE, QUICK SLIDE, NUTPLUG. DID NOT HELP. CONTINUE TO WORK PIPE, ROCK ROTARY TABLE, ATTEMPT TO SHAKE WEIGHT TO BIT, UNABLE TO DRILL EFFECTIVELY.  MUD WT 10.5, VIS 38.  20:00 21:00 1.0 PUMP HI–VIS SWEEP, CIRCULATE BOTTOMS UP.  MUD WT 10.5, VIS 41.  21:00 02:00 5.0 TRIP OUT OF HOLE FOR BHA CHANGE. NO TIGHT HOLE.  MUD WT 10.5, VIS 41.  02:00 03:00 1.0 LAY DOWN STABILIZED BUILD MOTOR, PICK UP SLICK BUILD MOTOR. MOVE SHOCK SUB TO TOP OF AGITATOR, LAY DOWN FMHX853Z BIT, PICK UP HCM506Z BIT.  MUD WT 10.5, VIS 41.  03:30 06:00 2.5 TRIP IN HOLE WITH BHA #3.  MUD WT 10.5, VIS 40.
MOTOR, 2000–2300 PSI.  HANGING UP BADLY, UNABLE TO SLIDE. PUMP SWEEPS W/BEADS, CAL CARB,MICA, DRILL ZONE, QUICK SLIDE, NUTPLUG. DID NOT HELP. CONTINUE TO WORK PIPE, ROCK ROTARY TABLE, ATTEMPT TO SHAKE WEIGHT TO BIT, UNABLE TO DRILL EFFECTIVELY.  MUD WT 10.5, VIS 38.  20:00 21:00 1.0 PUMP HI–VIS SWEEP, CIRCULATE BOTTOMS UP.  MUD WT 10.5, VIS 41.  21:00 02:00 5.0 TRIP OUT OF HOLE FOR BHA CHANGE. NO TIGHT HOLE.  MUD WT 10.5, VIS 41.  02:00 03:00 1.0 LAY DOWN STABILIZED BUILD MOTOR, PICK UP SLICK BUILD MOTOR. MOVE SHOCK SUB TO TOP OF AGITATOR, LAY DOWN FMHX853Z BIT, PICK UP HCM506Z BIT.  MUD WT 10.5, VIS 41.  03:30 06:00 2.5 TRIP IN HOLE WITH BHA #3.  MUD WT 10.5, VIS 40.
SLIDE, NUTPLUG. DID NOT HELP. CONTINUE TO WORK PIPE, ROCK ROTARY TABLE, ATTEMPT TO SHAKE WEIGHT TO BIT, UNABLE TO DRILL EFFECTIVELY.  MUD WT 10.5, VIS 38.  20:00 21:00 1.0 PUMP HI-VIS SWEEP, CIRCULATE BOTTOMS UP.  MUD WT 10.5, VIS 41.  21:00 02:00 5.0 TRIP OUT OF HOLE FOR BHA CHANGE. NO TIGHT HOLE.  MUD WT 10.5, VIS 41.  02:00 03:00 1.0 LAY DOWN STABILIZED BUILD MOTOR, PICK UP SLICK BUILD MOTOR. MOVE SHOCK SUB TO TOP OF AGITATOR, LAY DOWN FMHX853Z BIT, PICK UP HCM506Z BIT.  MUD WT 10.5, VIS 41.  03:30 06:00 2.5 TRIP IN HOLE WITH BHA #3.  MUD WT 10.5, VIS 40.
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21:00 02:00 5.0 TRIP OUT OF HOLE FOR BHA CHANGE. NO TIGHT HOLE.  MUD WT 10.5, VIS 41.  1.0 LAY DOWN STABILIZED BUILD MOTOR, PICK UP SLICK BUILD MOTOR. MOVE SHOCK SUB TO TOP OF AGITATOR, LAY DOWN FMHX853Z BIT, PICK UP HCM506Z BIT.  MUD WT 10.5, VIS 41.  2.5 TRIP IN HOLE WITH BHA #3.  MUD WT 10.5, VIS 40.
MUD WT 10.5, VIS 41.  1.0 LAY DOWN STABILIZED BUILD MOTOR, PICK UP SLICK BUILD MOTOR. MOVE SHOCK SUB TO TOP OF AGITATOR, LAY DOWN FMHX853Z BIT, PICK UP HCM506Z BIT.  MUD WT 10.5, VIS 41.  2.5 TRIP IN HOLE WITH BHA #3.  MUD WT 10.5, VIS 40.
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AGITATOR, LAY DOWN FMHX853Z BIT, PICK UP HCM506Z BIT.  MUD WT 10.5, VIS 41.  03:30 06:00 2.5 TRIP IN HOLE WITH BHA #3.  MUD WT 10.5, VIS 40.
03:30 06:00 2.5 TRIP IN HOLE WITH BHA #3.  MUD WT 10.5, VIS 40.
MUD WT 10.5, VIS 40.
SAFETY MEETINGS: LAST DAY, NEW CREW.
FULL CREWS BOTH TOURS.
NO INCIDENTS/ACCIDENTS REPORTED.
COM CHECKED BY BOTH TOURS.
FUEL ON HAND: 3966 GAL. USED TODAY: 3034 GAL.
BOILER 24 HOURS.
FORMATION: BUCK CANYON, NO FLARE. NO MUD LOSSES.
MUD LOGGER: DAY 7.
01–26–2009 Reported By W BEARDSLEY, J SCHLENKER
DailyCosts: Drilling\$54,578Completion\$0Daily Total\$54,578
Cum Costs: Drilling\$902,079Completion\$0Well Total\$902,079
MD 6,650 TVD 6,648 Progress 187 Days 8 MW 10.5 Visc 40.0
Formation: PBTD: 0.0 Perf: PKR Depth: 0.0
Activity at Report Time: DRILLING @ 6650'
Start End Hrs Activity Description
06:00 11:00 5.0 ATTEMPTED TO FILL PIPE, #2 PUMP NOT PUMPING, HITTING HARD. TEAR DOWN, FUNCTIONED CORRECTLY FOR APPROX. 30 SEC, STARTED HITTING HARD. TORE DOWN AGAIN, REPLACED VALVE & SEAT.
MUD WT 10.5, VIS 40.
11:00 12:00 1.0 TRIP IN HOLE TO 4718, TAGGED UP.
MUD WT. 10.5, VIS 40.
12:00 13:30 1.5 ATTEMPT TO START WASHING. VALVE STICKING ON #2 PUMP, TEAR DOWN SAME, FOUND PIECE OF METAL BELOW SUCTION VALVE.
MUD WT. 10.5, VIS 40.
13:30 14:00 0.5 SERVICE RIG.

		MUD WT 10.5, VIS 40.
14:00	14:30	0.5 KELLY UP, WASH/REAM F/4698–4742'.
		MUD WT 10.5, VIS 40.
14:30	15:30	1.0 POOH 5 STANDS TO CHECK FOR TIGHT HOLE, NO TIGHT HOLE. LAY DOWN 7 JOINTS TO REAM WITH.
15:30	16:30	1.0 TRIP IN HOLE TO 6203'.
16:30	17:30	1.0 WASH/REAM F/6203', 6473'. NO HARD REAMING, BUT SOME INCREASED TORQUE & LEDGES LAST 40'. SHAKERS HAVE MODERATE AMOUNT OF FINE CUTTINGS COMING ACROSS, SMALL AMOUNT OF LARGER CUTTINGS AND SPLINTERS.
		MUD WT. 10.5, VIS 40.
17:30	06:00	12.5 DRILL (SLIDE & ROTATE) F/6463–6650' (187' @ 15'/HR) 14–16K WOB, 225 MTF, 410 GPM, 0–30 RPM ROTARY, 81 RPM MOTOR, 1950–2300PSI.
		ROTATED 6491–6500', 6523–6532', 6557–6564'.
		MUD WT 10.5, VIS 40.
		SAFETY MEETINGS: WORKING ON PUMPS, LUBRICATING RIG.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 2047 GAL. USED TODAY: 1919 GAL.
		BOILER 24 HOURS.
		FORMATION: BUCK CANYON, NO FLARE. APPROX. 100 BBL MUD LOSSES.
		MUD LOGGER: DAY 8.

DailyCost	ts: Drilling	\$	72,176	Con	pletion	\$0		Daily	Total	\$72,176	
Cum Cos	ts: Drilling	\$9	974,256	Con	pletion	\$0		Well	Total	\$974,256	
MD	6,880	TVD	6,862	Progress	230	Days	9	MW	10.5	Visc	38.0
Formatio	n:		<b>PBTD</b> : 0.	0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: DRII	LLING CURVE	@ 6880'							
Start	End	Hrs	<b>Activity Desc</b>	ription							
06:00	16:00	10.0	DRILL (SLIDE 81 RPM MOTO	,		9' (99' @ 9.9'	/HR) 14–22k	K WOB, 0–30	R GTF, 410 G	PM, 0–30 RPM	I ROTARY,
			ROTATED 6652	.–6656'.							
			MUD WT 10.5,	VIS 40.							
16:00	16:30	0.5	SERVICE RIG,	FUNCTION PI	PE RAMS	•					
			MUD WT 10.5,	VIS 40.							
16:30	01:00	8.5	DRILL (SLIDE MOTOR, 1950-	,	(94' @ 11	.1'/HR) 14–2	22K WOB, 0-	-30R GTF, 41	0 GPM, 0-30	RPM ROTARY	7, 81 RPM
			NO ROTARY D	RILLING.							
			MUD WT 10.5,	VIS 40.							
01:00	02:00	1.0	CHANGE SWA	B & VALVE IN	#2 PUMP	, SWITCH TO	O #1 PUMP, #	#1 PUMP DIS	SCHARGE FR	OZEN. THAW	SAME.
			MUD WT 10.5,	VIS 38.							
02:00	06:00	4.0	DRILL (SLIDE MOTOR, 1950-		(37' @ 9.3	'/HR) 14–22	K WOB, 0–3	0R GTF, 410	GPM, 0-30 R	PM ROTARY,	81 RPM
			NO ROTARY D	RILLING.							
			MUD WT 10.5,	VIS 38.							

W BEARDSLEY, J SCHLENKER

Reported By

01-27-2009

SAFETY MEETINGS: LUBRICATE RIG, 100% TIE OFF.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 4258 GAL RECEIVED: 4000 GAL. USED TODAY: 1789 GAL.

BOILER 24 HOURS.

FORMATION: BUCK CANYON, NO FLARE. APPROX. 200 BBL MUD LOSSES.

MUD LOGGER: DAY 9.

01-28-20	09 Re	eported By	W	BEARDSLEY,	J SCHLEN	NKER					
DailyCost	ts: Drilling	\$92,723	3	Con	npletion	\$0		Daily	<b>Total</b>	\$92,723	
Cum Cost	ts: Drilling	\$1,066	979	Con	npletion	\$0		Well	Total	\$1,066,979	
MD	7,170	TVD	7,031	Progress	290	Days	10	MW	10.5	Visc	40.0
Formation	n:	]	<b>PBTD</b> : 0	.0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: DRILLING	G @ 7170'								
Start	End	Hrs Acti	vity Desc	ription							
06:00	18:00			& ROTATE) F/PM MOTOR, 22		*	2.7'/HR) 14–1	6K WOB, 0-	-30R GTF, 410	) GPM, 0–30 RF	PM
		ROT	ATE 6906-	-6909' (3'), 6938	8-6947' (9	'), 6969–697	2' (3'), 7000-	-70010' (10').			
		MUI	WT 10.5.	VIS 40.							
18:00	18:30	0.5 SER	VICE RIG,	FUNCTION PI	PE RAMS						
		MUI	WT. 10.5	, VIS 40.							
18:30	06:00			& ROTATE) F/PM MOTOR, 22		*	2.0'/HR) 14-1	6K WOB, 20	L–20R GTF,	410 GPM, 0–30	RPM
		ROT	ATE 7032-	-7042' (10'), 700	51–7068' (	7'), 7088–71	27' (39').				
		MUI	WT 10.5.	VIS 40.							
		FUL NO I COM FUE BOII FOR MUI	L CREWS NCIDENT I CHECKE L ON HAN LER 24 HO MATION: D LOGGE	NORTH HORN R: DAY 10.	REPORTI OURS. RECEIVEI	ED. D: 4500 GAL RE. NO MU	USED TO				
01-29-20	09 Re	eported By	W	BEARDSLEY,	J SCHLEN	NKER					
DailyCost	ts: Drilling	\$72,49	5	Con	npletion	\$0		Daily	Total	\$72,495	
Cum Cost	ts: Drilling	\$1,139	475	Con	npletion	\$0		Well	Total	\$1,139,475	
MD	7,435	TVD	7,153	Progress	265	Days	11	MW	10.7	Visc	48.0
Formation	n:	]	<b>PBTD</b> : 0	.0		Perf:			PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: DRILLING	G @ 7435'								
Start	End	Hrs Acti	vity Desc	ription							
06:00	20:00			& ROTATE) F/ PM MOTOR, 22		*	2.6'/HR) 14–2	22K WOB, 20	L–60L GTF,	410 GPM, 0-30	RPM

 $ROTATE\ 7188-7198'\ (10'),\ 7220-7230'\ (10'),\ 7252-7263'\ (11'),\ 7284-7325'\ (41'),\ 7340-7347'\ (7').$ 

176' TOTAL, 97' SLID, 79' ROTATED.

MUD WT 10.6, VIS 45.

20:00 20:30 0.5 SERVICE RIG.

MUD WT. 10.7. VIS 48.

20:30 06:00 9.5 DRILL (SLIDE & ROTATE) F/7346–7435' (89' @ 9.4'/HR) 14–22K WOB, 20L–60L GTF, 410 GPM, 0–30 RPM

ROTARY, 81 RPM MOTOR, 2200-2500 PSI.

ROTATE 7347-7357' (10'), 7372-7391' (19'), 7410-7415' (5')

89' TOTAL, 55' SLID, 34' ROTATED.

MUD WT 10.7, VIS 48.

 ${\tt SAFETY\ MEETINGS: JOB\ DESCRIPTION\ \&\ RESPONSIBILITY, BOILER\ SERVICING\ \&\ SAFETY.}$ 

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 8194 GAL RECEIVED: 4500 GAL. USED TODAY: 2184 GAL.

**BOILER 24 HOURS.** 

FORMATION: NORTH HORN, NO FLARE. NO MUD LOSSES.

MUD LOGGER: DAY 11

		N	IUD LOGGEF	R: DAY 11.							
01-30-200	9 Re	eported By	, W	BEARDSLEY,	J SCHLEN	NKER					
DailyCosts	: Drilling	\$61	,591	Con	npletion	\$0		Dail	y Total	\$61,591	
Cum Costs	: Drilling	\$1,2	201,066	Con	npletion	\$0		Well	l Total	\$1,201,066	
MD	7,618	TVD	7,210	Progress	183	Days	12	MW	10.7	Visc	48.0
Formation	:		<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at	Report Ti	me: DRILL	.ING @ 7618'								
Start	End	Hrs A	ctivity Desc	ription							
06:00	18:00	R	OTARY, 76 RI	PM MOTOR, 20	050-2400 I	PSI.	ŕ	K WOB, 20L	–60L GTF, 38	4 GPM, 0–30 R	PM
				7451' (10'), 74	`	8'), 7504–751	5' (11')				
				SLID, 29' ROT	TATED.						
			MUD WT 10.7,								
18:00	18:30		ERVICE RIG.								
18:30	06:00			& ROTATE) F/ PM MOTOR, 20			/HR) 14–30I	K WOB, 20L	–60L GTF, 38	4 GPM, 0–30 R	.PM
		R	OTATE 7534-	7544' (10'), 755	57–7559' (	2'), 7566–757	76' (10')				
		84	4' TOTAL, 62'	SLID, 22' ROT	TATED.						
		M	IUD WT 10.7,	VIS 48.							
		S	AFETY MEE	ΓINGS: HOUSE	EKEEPINO	, CLEANING	G RIG.				
		F	ULL CREWS	BOTH TOURS							
		N	O INCIDENT	S/ACCIDENTS	REPORT	ED.					
		C	OM CHECKE	ED BY BOTH T	OURS.						
		F	UEL ON HAN	D: 6177 GAL	USED T	ODAY: 2017	GAL.				
		В	OILER 24 HC	URS.							
		F	ORMATION:	NORTH HORN	I, NO FLA	RE. NO MUI	D LOSSES.				
		N	IUD LOGGEF	R: DAY 12.							

	09 Re	ported I	sy w	DEARDSLE I,	J SCHLEN	NEK					
DailyCost	ts: Drilling	\$	79,194	Con	npletion	\$0		Dail	y Total	\$79,194	
Cum Cost	ts: Drilling	\$	1,280,261	Con	npletion	\$0		Well	l Total	\$1,280,261	
MD	7,755	TVD	7,238	Progress	137	Days	13	MW	10.7	Visc	52.0
Formation	n:		<b>PBTD</b> : 0	.0		Perf:			PKR De <sub>l</sub>	oth: 0.0	
Activity a	t Report Ti	me: DRII	LING @ 7755'								
Start	End	Hrs	Activity Desc	ription							
06:00	18:00	12.0	•	& ROTATE) F/		•	HR) 18–44 <b>F</b>	WOB, 20L	–60L GTF, 38	4–405 GPM, 0–3	30 RPM
			ROTATE 7625-	7640' (15'), 765	58–7669', (	(11'), 7691–70	592' (1')				
			74' TOTAL, 47'	SLID, 27' ROT	ATED.						
			MUD WT 10.7,	VIS 52.							
18:00	18:30	0.5	SERVICE RIG,	FUNCTION PI	PE RAMS	<u>.</u>					
18:30	06:00	11.5	DRILL (SLIDE ROTARY, 76–8	,			HR) 18–44 <b>i</b>	X WOB, 20L	–60L GTF, 38	4–405 GPM, 0–3	30 RPM
			ROTATE 7692-	7698' (6'), 7717	7–7723', (6	5'). 7747–775	5' (8').				
			63' TOTAL, 43'	SLID, 20' ROT	ATED.						
			MUD WT 10.7,	VIS 52.							
			SAFETY MEET		R WEATH	ER, PUTTIN	G PIPE IN N	IOUSEHOL	E.		
			FULL CREWS	BOTH TOURS.		•					
			NO INCIDENT			ED.					
			COM CHECKE								
			COM CHECKE	ED BY BOTH TO	OURS.						
			FUEL ON HAN			D: 4500 GAL	. USED TO	DAY: 2167	GAL.		
				ND: 8500 GAL		D: 4500 GAL	. USED TO	DAY: 2167	GAL.		
			FUEL ON HAN	ND: 8500 GAL OURS.	RECEIVE				GAL.		
			FUEL ON HAN BOILER 24 HC	ND: 8500 GAL DURS. NORTH HORN	RECEIVE				GAL.		
02-01-20	09 Re	ported I	FUEL ON HAN BOILER 24 HC FORMATION: MUD LOGGER	ND: 8500 GAL DURS. NORTH HORN	RECEIVE	RE. 50 BBL I			GAL.		
	09 Re	=	FUEL ON HAN BOILER 24 HC FORMATION: MUD LOGGER	ID: 8500 GAL OURS. NORTH HORN R: DAY 13. BEARDSLEY,	RECEIVE	RE. 50 BBL I		ES.	GAL.  y Total	\$59,208	
DailyCost		\$:	FUEL ON HAN BOILER 24 HO FORMATION: MUD LOGGER By W	ND: 8500 GAL DURS. NORTH HORN R: DAY 13. BEARDSLEY,	RECEIVE I, NO FLAI J SCHLEN	RE. 50 BBL I		ES . <b>Dail</b>		\$59,208 \$1,339,470	
DailyCost Cum Cost	ts: Drilling	\$:	FUEL ON HAN BOILER 24 HC FORMATION: MUD LOGGER By W 59,208 1,339,470	DE: 8500 GAL OURS. NORTH HORN R: DAY 13. BEARDSLEY, Con	RECEIVE  J. NO FLAI  J. SCHLEN  apletion  apletion	RE. 50 BBL 1  NKER  \$0  \$0		Dail,	y Total		52.0
DailyCost Cum Cost MD	ts: Drilling ts: Drilling 7,770	- \$3 \$3	FUEL ON HAN BOILER 24 HC FORMATION: MUD LOGGER By W 59,208 1,339,470	DE: 8500 GAL DURS. NORTH HORN R: DAY 13. BEARDSLEY, Con Con Progress	RECEIVE  J. NO FLAI  J. SCHLEN  apletion  apletion	RE. 50 BBL 1  NKER  \$0  \$0	MUD LOSS	Dail,	y Total I Total 10.7	\$1,339,470 <b>Visc</b>	52.0
DailyCost Cum Cost MD Formation	ts: Drilling 7,770 n:	\$3 \$3 <b>TVD</b>	FUEL ON HAN BOILER 24 HC FORMATION: MUD LOGGER By W 59,208 1,339,470 7,240	DE: 8500 GAL DURS. NORTH HORN R: DAY 13. BEARDSLEY, Con Con Progress	J SCHLEN npletion 15	RE. 50 BBL I	MUD LOSS	Dail,	y Total I Total	\$1,339,470 <b>Visc</b>	52.0
DailyCost Cum Cost MD Formation Activity a	ts: Drilling 7,770 n:	\$:  TVD  me: WIPI	FUEL ON HAN BOILER 24 HC FORMATION: MUD LOGGER By W 59,208 1,339,470 7,240 PBTD: 0 ER TRIP @ INT	DE: 8500 GAL DURS. NORTH HORN R: DAY 13. BEARDSLEY, Con Con Progress .0 ERMEDIATE C	J SCHLEN npletion 15	RE. 50 BBL I	MUD LOSS	Dail,	y Total I Total 10.7	\$1,339,470 <b>Visc</b>	52.0
DailyCost Cum Cost MD Formation Activity a	ts: Drilling ts: Drilling 7,770 n: t Report Tin	\$: TVD me: WIPI	FUEL ON HAN BOILER 24 HC FORMATION: MUD LOGGER By W 59,208 1,339,470 7,240 PBTD: 0 ER TRIP @ INT Activity Desc	DE: 8500 GAL DURS. NORTH HORN R: DAY 13. BEARDSLEY, Con Con Progress .0 ERMEDIATE C ription & ROTATE) F/	J SCHLEN  appletion  15  CSG PT	NKER \$0 \$0 Days Perf:	MUD LOSSI 14 OINT. (15'	Dail Well MW	y Total l Total 10.7 PKR Dej	\$1,339,470 <b>Visc</b>	
DailyCost Cum Cost MD Formation Activity a	ts: Drilling ts: Drilling 7,770 n: t Report Til	\$: TVD me: WIPI	FUEL ON HAN BOILER 24 HC FORMATION: MUD LOGGER By W 59,208 1,339,470 7,240 PBTD: 0 ER TRIP @ INT Activity Desc DRILL (SLIDE	DE: 8500 GAL DURS. NORTH HORN R: DAY 13. BEARDSLEY, Con Con Progress .0 ERMEDIATE C ription & ROTATE) F/ M ROTARY, 76-	J SCHLEN  pletion  15  CSG PT  7755-7770  -81 RPM N	NKER \$0 \$0 Days Perf:	MUD LOSSI 14 OINT. (15'	Dail Well MW	y Total l Total 10.7 PKR Dej	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
DailyCost Cum Cost MD Formation Activity a	ts: Drilling ts: Drilling 7,770 n: t Report Til	\$: TVD me: WIPI	FUEL ON HAN BOILER 24 HC FORMATION: MUD LOGGER By W 59,208 1,339,470 7,240 PBTD: 0 ER TRIP @ INT Activity Desc DRILL (SLIDE GPM, 0–30 RPI	DE: 8500 GAL DURS. NORTH HORN R: DAY 13. BEARDSLEY, Con Con Progress .0 ERMEDIATE C ription & ROTATE) F/ M ROTARY, 767765' (10'), 776	J SCHLEN  pletion  15  CSG PT  7755-7770  81 RPM N  58-7770', 0	NKER \$0 \$0 Days Perf:	MUD LOSSI 14 OINT. (15'	Dail Well MW	y Total l Total 10.7 PKR Dej	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
DailyCost Cum Cost MD Formation Activity a	ts: Drilling ts: Drilling 7,770 n: t Report Til	\$: TVD  me: WIPI  Hrs  2.5	FUEL ON HAN BOILER 24 HC FORMATION: MUD LOGGER By W 59,208 1,339,470 7,240 PBTD: 0 ER TRIP @ INT Activity Desc DRILL (SLIDE GPM, 0–30 RPI ROTATE 7755–	DE: 8500 GAL DURS. NORTH HORN R: DAY 13. BEARDSLEY, Con Con Progress .0 ERMEDIATE C ription & ROTATE) F/ M ROTARY, 767765' (10'), 776 SLID, 12' ROTA	J SCHLEN  pletion  15  CSG PT  7755-7770  81 RPM N  58-7770', 0	NKER \$0 \$0 Days Perf:	MUD LOSSI 14 OINT. (15'	Dail Well MW	y Total l Total 10.7 PKR Dej	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
DailyCost Cum Cost MD Formation Activity a	ts: Drilling ts: Drilling 7,770 n: t Report Til	\$3 TVD me: WIPI Hrs 2.5	FUEL ON HAN BOILER 24 HC FORMATION: MUD LOGGER By W 59,208 1,339,470 7,240 PBTD: 0 ER TRIP @ INT Activity Desc DRILL (SLIDE GPM, 0–30 RPI ROTATE 7755– 15' TOTAL, 3' S	DE: 8500 GAL DURS. NORTH HORN R: DAY 13. BEARDSLEY, Con Con Progress .0 ERMEDIATE C ription & ROTATE) F/ M ROTARY, 767765' (10'), 776 SLID, 12' ROTA , VIS 50.	J SCHLEN  pletion  15  CSG PT  7755–7770  –81 RPM N 68–7770', 0 TTED.	NKER \$0 \$0 Days Perf:  "CASING PMOTOR, 2050 (2').	14  OINT. (15') 1–2650 PSI.	Dail Well MW	y Total l Total 10.7 PKR Dej	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
DailyCost Cum Cost MD Formation Activity a Start 06:00	ts: Drilling 7,770 n: t Report Tin End 08:30	\$3 TVD me: WIPI Hrs 2.5	FUEL ON HAN BOILER 24 HO FORMATION: MUD LOGGER By W 59,208 1,339,470 7,240 PBTD: 0 ER TRIP @ INT Activity Desc DRILL (SLIDE GPM, 0–30 RPI ROTATE 7755– 15' TOTAL, 3' S MUD WT. 10.7	DE 8500 GAL DURS. NORTH HORN R: DAY 13. BEARDSLEY, Con Progress .0 ERMEDIATE C ription & ROTATE) F/ M ROTARY, 767765' (10'), 776 SLID, 12' ROTA , VIS 50.	J SCHLEN  pletion  15  CSG PT  7755–7770  –81 RPM N 68–7770', 0 TTED.	NKER \$0 \$0 Days Perf:  "CASING PMOTOR, 2050 (2').	14  OINT. (15') 1–2650 PSI.	Dail Well MW	y Total l Total 10.7 PKR Dej	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
DailyCost Cum Cost MD Formation Activity a Start 06:00	ts: Drilling 7,770 n: t Report Tin End 08:30	\$: TVD me: WIPI Hrs 2.5	FUEL ON HAN BOILER 24 HC FORMATION: MUD LOGGER By W 59,208 1,339,470 7,240 PBTD: 0 ER TRIP @ INT Activity Desc DRILL (SLIDE GPM, 0–30 RPI ROTATE 7755– 15' TOTAL, 3' S MUD WT. 10.7. CIRCULATE &	DE: 8500 GAL DURS. NORTH HORN R: DAY 13. BEARDSLEY, Con Con Progress .0 ERMEDIATE C ription & ROTATE) F/ M ROTARY, 767765' (10'), 776 SLID, 12' ROTA , VIS 50. c CONDITION 13 , VIS 50.	J SCHLEN  Type Sch	RE. 50 BBL I	14  OINT. (15') 1–2650 PSI.	Dail Well MW	y Total l Total 10.7 PKR Dej	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	
Cum Cost MD Formation Activity a Start 06:00	ts: Drilling 7,770 n: t Report Tin End 08:30	\$3 TVD  me: WIPI  Hrs  2.5  0.5	FUEL ON HAN BOILER 24 HO FORMATION: MUD LOGGER By W 59,208 1,339,470 7,240 PBTD: 0 ER TRIP @ INT Activity Desc DRILL (SLIDE GPM, 0–30 RPI ROTATE 7755– 15' TOTAL, 3' S MUD WT. 10.7. CIRCULATE & MUD WT. 10.7. PUMP OUT 3 J	ID: 8500 GAL DURS. NORTH HORN R: DAY 13. BEARDSLEY, Con Con Progress .0 ERMEDIATE C ription & ROTATE) F/ M ROTARY, 76 .7765' (10'), 776 SLID, 12' ROTA , VIS 50. E CONDITION 10 , VIS 50. TS W/KELLY (	J SCHLEN  Type of the second o	RE. 50 BBL 1  NKER  \$0  \$0  Days  Perf:  O'. CASING P  MOTOR, 2050  (2').  MP HI-VIS S'  CIONARY).	14  OINT. (15') 1–2650 PSI.	Dail Well MW	y Total   Total   10.7   PKR Dej     18–44K WOB	\$1,339,470 <b>Visc</b> <b>oth:</b> 0.0	84–405

18:00	19:00	1.0 REPAIR STAND PIPE 4" VALVE.
19:00	22:30	3.5 MAKE UP 8 $3/4$ " INSERT BIT & BIT SUB, MOVE 8 MORE STANDS OF 4 $1/2$ " DRILL PIPE FOR PUSH PIPE. TIH WITH CLEANOUT ASSEMBLY. TAG @ $5644$ '.
22:30	23:30	1.0 WASH/REAM F/5644–5677', 5700–5747'. LOST RETURNS, PUMP LCM SWEEP, REDUCE PUMP RATE.
23:30	04:00	4.5 REGAINED RETURNS. LOST 250–300 BBL MUD. BUILD VOLUME, CIRCULATE, PUMP LCM SWEEPS.
04:00	04:30	0.5 TRIP IN HOLE TO 6301', NO TIGHT HOLE.
04:30	06:00	1.5 BUILD VOLUME BEFORE RUNNING INTO CURVE. LOSSES STABILIZED.
		MUD WT 10.7, VIS 52.
		SAFETY MEETINGS: SLIPS & TRIPS, MIXING LCM.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 7059 GAL USED TODAY: 1441 GAL.
		BOILER 24 HOURS.
		FORMATION: NORTH HORN, NO FLARE. 300 BBL MUD LOSSES.
		MUD LOGGER: DAY 14.

02-02-2009	R	eported	By	W BEARDSLEY,	J SCHLE	NKER					
DailyCosts: Dr	illing	9	\$59,031	Com	pletion	\$0		Daily	Total	\$59,031	
Cum Costs: Dr	illing	9	\$1,398,502	Com	pletion	\$0		Well '	<b>Fotal</b>	\$1,398,502	
MD 7	,770	TVD	7,240	Progress	0	Days	15	MW	10.7	Visc	52.0
Formation:			PBTD:	0.0		Perf:			PKR Dep	oth: 0.0	

Activity a	t Report Ti	me: LD I	OP .
Start	End	Hrs	<b>Activity Description</b>
06:00	07:00	1.0	TRIP IN HOLE WITH CLEANOUT ASSEMBLY, TAG @ 6760'.
			MUD WT. 10.7. VIS 55.
07:00	08:00	1.0	WASH/REAM F/6740–6878'. (APPEARS TO BE LEDGES)
			MUD WT. 10.7 VIS 55.
08:00	09:30	1.5	CONT. TIH TO 6941'.
			MUD WT 10.7 VIS 55.
09:30	12:00	2.5	WASH/REAM F/6941–7194'. (APPEARS TO BE LEDGES)
			MUD WT 10.7, VIS 55.
12:00	12:30	0.5	CIRCULATE, PUMP SWEEP.
			MUD WT. 10.7, VIS 56.
12:30	13:00	0.5	LAY DOWN 2 STANDS OF DRILL PIPE IN MOUSEHOLE.
			MUD WT. 10.7, VIS 56.
13:00	14:30	1.5	WASH/REAM F/7194–7379'. (APPEARS TO BE LEDGES)
			MUD WT. 10.7, VIS 56.
14:30	15:00	0.5	LAY DOWN 2 STANDS OF DRILL PIPE IN MOUSEHOLE.
			LAY DOWN 2 STANDS OF DRILL PIPE.
			MUD WT. 10.7, VIS 56.
15:00	17:30	2.5	WASH/REAM F/7379–7568'. (APPEARS TO BE LEDGES)
			LAY DOWN 2 STANDS OF DRILL PIPE.
			MUD WT. 10.7, VIS 56.
17:30	18:00	0.5	LAY DOWN LAST STAND OF DRILL PIPE IN MOUSEHOLE.

		LAY DOWN 2 STANDS OF DRILL PIPE.
		MUD WT. 10.7, VIS 56.
18:00	19:30	1.5 WASH/REAM F/7568 TO CASING POINT DEPTH OF 7770'. (APPEARS TO BE LEDGES)PICKED UP 4 JOINTS TO REACH BOTTOM. DID NOT SEE ANY SIGNIFICANT AMOUNTS OF SHALE OR OTHER FILL OVER SHAKER DURING REAMING OPERTIONS.
		MUD WT. 10.7 VIS 56.
19:30	21:00	1.5 PUMP HI–VIS SWEEP, CIRCULATE, MIX PILL.
		MUD WT. 10.7, VIS 53
21:00	22:00	1.0 PUMP OUT 1ST THREE JOINTS WITH KELLY.
		MUD WT. 10.7 VIS 54.
22:00	00:30	2.5 WIPER TRIP 15 STANDS TO ABOVE K/O POINT, TIGHT @ 7240', 6747' ON TRIP OUT, NO TIGHT HOLE ON TRIP IN. NO FILL.
		MUD WT. 10.7 VIS 52.
00:30	03:30	3.0 PUMP SWEEP, CIRC UNTIL SHAKERS CLEAN. SPOT BEAD PILL, PUMP SLUG.
		MUD WT. 10.7, VIS 52.
03:30	05:00	1.5 STAND BACK 15 STANDS TO 6340'. TIGHT @ 7180, 6994'. WORK THROUGH TIGHT SPOTS, CLEANED UP.
		MUD WT. 10.7, VIS 52.
05:00	06:00	1.0 HOLD PRE–JOB SAFETY MEETING W/WEATHERFORD LAYDOWN CREW & RIG CREW. RIG UP LAYDOWN CREW, WORK PIPE.
		MUD WT. 10.7, VIS 52.
		SAFETY MEETINGS: PULLING TIGHT HOLE, LAYING DOWN DRILL PIPE.
		FULL CREWS BOTH TOURS.
		NO INCIDENTS/ACCIDENTS REPORTED.
		COM CHECKED BY BOTH TOURS.
		FUEL ON HAND: 8560 GAL RECEIVED: APPROX. 3000 GAL USED TODAY: 1500 GAL.
		BOILER 24 HOURS.
		FORMATION: NORTH HORN, NO FLARE. 60BBL MUD LOSSES .
		MUD LOGGER: DAY 15.

02-03-2009	Re	eported B	y W	/ BEARDSLEY, J	SCHLE	NKER					
DailyCosts: Da	rilling	\$20	65,143	Com	pletion	\$0		Daily	Total	\$265,143	
Cum Costs: D	rilling	\$1.	,663,646	Com	pletion	\$0		Well	<b>Total</b>	\$1,663,646	
MD	7,770	TVD	7,240	Progress	0	Days	16	MW	9.8	Visc	52.0
Formation:			<b>PBTD</b> : (	0.0		Perf:			PKR De <sub>l</sub>	oth: 0.0	

Activity at Report Time: CEMENTING INTERMEDIATE CASING

Start	End	Hrs Activity Description	Hrs	
06:00	12:00	6.0 LAY DOWN 4 1/2" DRILL PIPE, BHA, BREAK KELLY. MUD WT. 10.7, VIS 52.	6.0	
12:00	12:30	0.5 TRIP IN HOLE WITH 15 STANDS IN DERRICK. MUD WT. 10.7, VIS. 52.	0.5	
12:30	13:30	1.0 LAY DOWN LAST 45 JOINTS OF 4 1/2" DRILL PIPE. MUD WT. 10.7, VIS 52.	1.0	
13:30	15:30	2.0 HOLD PRE–JOB SAFETY MEETING WITH WEATHERFORD TRS & RIG CREW. RIG UP CASERS AND FILL TOOL.		
15:30	22:00	6.5 RUN INTERMEDIATE CASING, 7" 23# HC P–110. HIT TIGHT SPOT @ 7518'. FILL AFTER FIRST 10 JOINTS, EVERY 20 JOINTS TO KOP @ 6373', THEN EVERY JOINT.		
22:00	22:30	0.5 BREAK CIRCULATION, PARTIAL RETURNS. RECIPROCATE CASING, WORK THROUGH TIGHT HOLE.	0.5	

02:00	3.5 FINISH RUNNING 181 JOINTS OF 7" 23# P-110 INTERMEDIATE CASING AS FOLLOWS: FLOAT SHOE, 1 JOINT CASING, FLOAT COLLAR, 31 JOINTS CASING, MARKER JOINT, 40 JOINTS CASING, MARKER JOINT, 109 JOINTS CASING, CASING HANGER, LANDING JOINT. LAND W/100,000 INDICATED WT (W/O BLOCK) AT 7768.40. FLOAT SHOE @ 7768', FLOAT COLLAR @ 7722'. MARKER #1 6385-6405', MARKER #2 4658-4679'. CASING EQUIPPED WITH 40 RIGID CENTRALIZERS WITH LOCK RINGS, 2 PER JOINT FIRST 10 JOINTS, 1 PER JOINT NEXT 10 JOINT. THEN 24 FLOATING TURBULATORS, EVERY OTHER JOINT FIRST 23, THEN #24 AT 9 5/8" CASING SHOE.
03:00	1.0 RECIPROCATE CASING, CIRCULATE WITH PARTIAL RETURNS. PICKUP APPROX. 180–200K#, SLACKOFF 107–110K#. LAND WITH 110,000 LB. INDICATED WT, 100,000 W/O BLOCK.
03:30	0.5 KILL PUMP, LAND FLUTED HANGER WITH 100,000 LB INDICATED WT W/O BLOCK.
05:00	1.5 RIG DOWN WEATHERFORD CASERS. HOLD PRE–JOB SAFETY MEETING WITH SCHLUMBERGER CEMENTERS AND RIG CREW. RIG UP CEMENTERS.
06:00	1.0 BEGIN CEMENTING INTERMEDIATE CASING. CEMENT DETAILS TO FOLLOW ON NEXT REPORT. BEGIN CUTTING MUD WT IN MUD TANKS BACK TO 9.0 LB.
	03:00 03:30 05:00

MUD WT. 9.8, VIS 40.

SAFETY MEETINGS: LAYING DOWN PIPE, RUNNING CASING, CEMENTING.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 7400 GAL USED TODAY: 1160 GAL.

BOILER 24 HOURS.

FORMATION: NORTH HORN, NO FLARE. 150 BBL MUD LOSSES .

MUD LOGGER: DAY 16.

02-04-20	009 R	eported	By W	BEARDSLEY,	J SCHLEN	IKER					
DailyCost	ts: Drilling	\$	6142,932	Con	apletion	\$0		Daily	Total	\$142,932	
<b>Cum Costs: Drilling</b>		;	51,806,578	Completion		\$0		Well Total		\$1,806,578	
MD	7,770	TVD	7,240	Progress	0	Days	17	MW	9.0	Visc	40.0
Formation	n:		<b>PBTD</b> : 0	0.0		Perf:			PKR Dep	<b>pth:</b> 0.0	
Activity a	t Report T	ime: PU l	DP								
Start	End	Hrs	Activity Desc	ription							
06:00	07:30	1.5	CEMENT 7" C (550 SX, 962.5	ASING AS FOL CU FT) 13.0 PP							

06:00	07:30	1.5 CEMENT 7" CASING AS FOLLOWS: PRESSURE TEST TO 3400 PSI. PUMP 50 BBL MUD PUSH. PUMP 171 BBL
		(550 SX, 962.5 CU FT) 13.0 PPG 35:65 POZ/G LEAD CEMENT (1.75CU FT/SK, 9.178 GAL/SK MIX WATER) W/4%
		D020 EXTENDER, 2% D174 EXPANDING CE, .75% D112 FLUID LOSS, .2% D046 ANTIFOAM, .25% D013
		RETARDER, AND .125 LB/SK D130 LCM. DROP BOTTOM PLUG. PUMP 80 BBL (345 SX, 445 CU FT) 14.1 PPG 50:
		50 POZ/G TAIL CEMENT(1.29 CU FT/SK, 5.985 GAL SK MIX WATER) W/2% D020 EXTENDER, .1% D046
		ANTIFOAM, .2% D167 FLUID LOSS, AND .2% D065 DISPERSANT.
		SHUT DOWN AND WASH UP TO PITS. DROP TOP PLUG. DISPLACE W/MUD @ 8 BBL/MIN, SLOW TO 4 BBL
		MINITAGE 20 DDI A DDI AMNITAGE 10 DDI DADELAL DESTIDAG THEOLIGIAE DI MED DI LICIM/202 5 DDI

SHUT DOWN AND WASH UP TO PITS. DROP TOP PLUG. DISPLACE W/MUD @ 8 BBL/MIN, SLOW TO 4 BBL MIN LAST 20 BBL, 2 BBL/MIN LAST 10 BBL. PARTIAL RETURNS THROUGHOUT. BUMPED PLUG W/303.5 BBL DISPLACED, 304 CALCULATED DISPLACEMENT. FINAL PUMP PRESSURE 1289 PSI, BUMP TO 1781PSI. HOLD 5 MIN, BLEED 2 BBL BACK TO TUBS. FLOATS HELD.

		5 MIN, BLEED 2 BBL BACK TO TUBS. FLOATS HELD.
07:30	08:30	1.0 WAIT ON CEMENT, RIG DOWN SCHLUMBERGER.
08:30	10:00	1.5 BACK OFF LANDING JOINT, SET DTO SEAL, TEST TO 5000 PSI.
10:00	15:30	5.5 CHANGE OUT KELLY, UNLOAD 4" PIPE, HWDP & HANDLING TOOLS. PICK UP TOOLS FOR 4" PIPE. CHANGE RAMS IN BOP FROM 4 1/2" TO 4". CHANGE PUMP LINERS TO 5 1/2" IN #1 PUMP, 5" IN #2 PUMP.

15:30	22:00	6.5 SAFETY MEETING/RIG UP B&C QUICKTEST. TEST BOP AS FOLLOWS: TEST INSIDE BOP, SAFETY VALVE, UPPER/LOWER KELLY COCK TO 250 PSI/5 MIN, 5000 PSI/10 MIN. TEST HCR, CHOKE LINE, KILL LINE, 250 PSI/5 MIN, 5000 PSI/10 MIN. TEST CHOKE MANIFOLD, 250 PSI/5 MIN, 5000 PSI/10 MIN. TEST PIPE RAMS, BLIND RAMS, 250/5 MIN 5000 PSI/10 MIN. TEST ANNULAR TO 250 PSI/5 MIN, 2500 PSI/10 MIN. TEST 9 5/8" CASING TO 1500 PSI 30 MIN. INSTALL WEAR BUSHING.
		MIN. 1251 > 3/6 C.ISING 101300 ISI 30 MIN. INDIREZ WZMICZOSIMO.
22:00	22:30	0.5 FINISH MOVING, STRAPPING 4" PIPE & HWDP.
22:30	00:30	2.0 SLIP & CUT 100' DRILL LINE.
00:30	01:00	0.5 INSTALL WEAR BUSHING.
01:00	05:00	4.0 PICK UP BAKER HUGHES AUTO-TRAK BHA & TEST SAME.
05:00	06:00	1.0 HOLD PRE–JOB SAFETY MEETING WITH CALIBER LAYDOWN TRUCK AND RIG CREW, RIG UP LAYDOWN TRUCK.

SAFETY MEETINGS: PRESSURE TESTING, PICKING UP BHA.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 8990 GAL RECEIVED: 3300 USED TODAY: 1710 GAL.

(OWED 1200 GALLON CREDIT BY WESTERN PETROLEUM, COULD NOT GET ENTIRE 4500 GAL

LOAD OF FUEL IN TANK)

BOILER 24 HOURS.

FORMATION: NORTH HORN, NO FLARE.

MUD LOGGER: DAY 17.

02-05-2009	Re	ported By	R.	DYSART, K. SP	POONTZ						
DailyCosts:	Drilling	\$60,24	15	Com	pletion	\$0		Daily	Total	\$60,245	
<b>Cum Costs: Drilling</b>		\$1,866	5,823	Com	pletion	\$0		Well '	Total	\$1,866,823	
MD	7,770	TVD	7,240	Progress	0	Days	18	MW	8.9	Visc	37.0
Formation:			<b>PBTD</b> : 0.	.0		Perf:			PKR Der	oth: 0.0	

Activity at Report Time: TIH W/ROTARY STEERABLE BHA

Start	End	Hrs	Activity Description
06:00	10:30	4.5	PICK UP & TRIP IN HOLE 4" D.P. TO 2100'
10:30	11:30	1.0	FILL UP STRING, ATTEMPT TO TEST AUTOTRACK TOOL, TOOL PULSING, UNABLE TO DECODE
11:30	13:30	2.0	PICK UP & TRIP IN HOLE 4" D.P. FROM 2100' TO 4100'
13:30	14:00	0.5	FILL UP STRING, ATTEMPT TO TEST AUTOTRACK TOOL, TOOL PULSING, UNABLE TO DECODE
14:00	18:00	4.0	PICK UP & TRIP IN HOLE 4" D.P. FROM 4100' TO TOP OF CEMENT 7718'
18:00	20:00	2.0	CIRCULATE & BRING WEIGHT TO AN 8.8 PPG IN AND OUT. RECIPITATE PIPE, MTR TURNING 33 RPM.
20:00	23:30	3.5	TRIP OUT OF HOLE FOR MWD FAILURE.
23:30	01:00	1.5	CALIBRATE MWD TOOL.
01:00	03:30	2.5	TRIP IN HOLE TO 2300'.
03:30	04:00	0.5	PERFORM SURFACE TEST ON MWD TOOL. (TEST GOOD)
04:00	06:00	2.0	TRIP IN HOLE FROM 2300' TO 5100'
			M/W 8.9, VIS 37.
			NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM
			SAFETY MEETINGS: TRIPS, TOOL CALIBRATION
			FUEL: 7925, USED 1065
			BOILER 24 HOURS.

#### MUD LOGGER: DAY 18.

02-06-2009	Re	eported By	R.	DYSART, K. SI	POONTS						
DailyCosts:	Drilling	\$159,33	32	Com	pletion	\$0		Daily	Total	\$159,332	
<b>Cum Costs: Drilling</b>		\$2,026,3	341	Com	pletion	\$0		Well	Total	\$2,026,341	
MD	7,992	TVD	7,247	Progress	222	Days	19	MW	8.8	Visc	38.0
Formation:		P	<b>PBTD</b> : 0.	.0		Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: DRILLING @ 7992'

Start	End	Hrs	Activity Description
06:00	07:30	1.5	TRIP IN HOLE FROM 5100' TO 7723'
07:30	09:30	2.0	DRILL CEMENT/FLOAT EQUIP. 7722' TO 7763'
09:30	12:00	2.5	THAW OUT LINES ON AUTO TRAC SYSTEM BPA MANIFOLD, CHANGE OUT BPA MANIFOLD
12:00	12:30	0.5	DRILL CEMENT/FLOAT EQUIP. 7763' TO 7770'
12:30	18:30	6.0	DRILL SLIDE 7770' TO 7875' (105' @ 17.6'/HR) 7–10K WOB, 210–220 GPM, 0 RPM ROTARY, 45–50 RPM MOTOR, 1100–1200 PSI. MW $8.8$ VIS 37.
18:30	05:00	10.5	$ \begin{array}{l} \text{DRILL ROTATE 7875' TO 7992' (117') ROP 11 (7247' TVD), 7-15K WOB, 210-220 GPM, 28-60 RPM ROTARY, 45-50 RPM MOTOR, 1100-1200 PSI. MW 8.8 VIS 37. } \end{array} $
05:00	06:00	1.0	AUTO TRAC STEERING HEAD MALFUNCTION, DIAGNOSING PROBLEM.

#1 INCIDENT REPORTED. CHECK COM (WILL ATTEMPT TO DRILL SHORT SECTION BLIND) SAFETY MEETINGS: HIGH PRESSURE LINES, CHECKING FOR FLOW FUEL: 6340, USED 1585

BOILER 24 HOURS. MUD LOGGER: DAY 19.

R. DYSART, K. SPOONTS 02-07-2009 Reported By DailyCosts: Drilling \$91,672 Completion \$0 **Daily Total** \$91,672 Well Total **Cum Costs: Drilling** \$2,118,231 Completion \$0 \$2,118,231 8,155 163 20 8.9 40.0 MD TVD 7,243 **Progress** MWVisc Days **PBTD**: 0.0 Formation: Perf: PKR Depth: 0.0

Activity at Report Time: DRILLING @ 8155'

Start	End	Hrs Activity Description
06:00	06:30	0.5 DRILL ROTATE 7992' TO 7997' (5')
		DRILL BLIND, ATTEMPT TO CORRECT STEERING HEAD- BCPM PROBLEM
06:30	10:30	4.0 PUMP PILL, BLOW DOWN KELLY, TRIP OUT OF HOLE FOR DIRECTIONAL ASSY CHANGE OUT.
10:30	13:00	2.5 L/D DIRECTIONAL ROTARY STEERABLE BHA.
		(SHORT LOCATED IN MUD MOTOR.)
13:00	15:00	2.0 P/U DIRECTIONAL ASSY. TRIP IN HOLE TO 3200'
		TEST MWD, OK
15:00	18:00	$3.0\ \ \text{TRIP IN HOLE FROM } 3200\text{'TO SHOE } (7768\text{'})\ \text{FILL STRING. TAG BTTM AT } 7997\text{'AND COMMENCE DRILLING.}$
18:00	19:30	1.5 DRILL R 7997' TO 8002', S/ 8002' TO 8009' (12') ROP 8
		7–15K WOB, 210–220 GPM, 28–60 RPM ROTARY, 45–50 RPM MOTOR, 1100–1200 PSI.
		MW 8.9 VIS 37.
19:30	20:00	0.5 SERVICE RIG
20:00	06:00	10.0 DRILL 8009' TO 8155' (146') ROP 14.6 (7243' TVD)

Well Name: CWU 1227–06H Field: CHAPITA DEEP Property: 059160

DRILL R/ 8009' TO 8034', S/8034' TO 8042' R/ 8042' TO 8066', S/ 8066' TO 8076', R/ 8076' TO 8098' ,S/8098' TO 8108', R/ 8108' TO 8133', S/ 8133' TO 8138', R/ 8138' TO 8155'

7-15K WOB, 210-220 GPM, 28-60 RPM ROTARY, 45-55 RPM MOTOR, 1100-1200 PSI.

MW 8.9 VIS 39.

NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM

SAFETY MEETINGS: TRIP GAS, PPE

FUEL: 4800, USED 1540 BOILER 24 HOURS. MUD LOGGER: DAY 20.

02-08-20	009 R	eported By	R.	DYSART, K. S	SPOONTS						
DailyCos	ts: Drilling	\$39,056		Cor	mpletion	\$0		Daily	Total	\$39,056	
Cum Cos	sts: Drilling	\$2,157,5	563	Cor	mpletion	\$0		Well	Total	\$2,157,563	
MD	8,442	TVD	7,246	Progress	287	Days	21	MW	8.9	Visc	39.0
Formatio	n:	P	<b>BTD</b> : 0.	0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	at Report Ti	me: DRILLING	@ 8442'								
Start	End	Hrs Activ	ity Desci	ription							
06:00	19:00		L 8155' T -1500 PSI.	,	) ROP 14.0	7–15K WOI	3, 210–250 C	SPM, 28-60 R	PM ROTAR	Y, 45–55 RPM	MOTOR,
		MW 8	3.9 VIS 35.								
		SLIDI	E DEPTHS	S:							
		8272'	TO 8287',	8305' TO 831	2',						
19:00	19:30	0.5 SERV	ICE RIG								
19:30	06:00		L ROTATI OR, 1300–		42' (105') R	OP 10 7–15	K WOB, 210	-250 GPM, 28	8–60 RPM R	OTARY, 45–55	RPM
		MW 8	3.9 VIS 39.								
		NO IN	NCIDENT	S/ACCIDENT:	S REPORT	ED. CHECK	COM				
		SAFE	ТҮ МЕЕТ	INGS: CREW	CHANGE	X 2					
		FUEL	: 3100, US	SED 1700							
		BOIL	ER 24 HO	URS.							
		MUD	LOGGER	: DAY 21.							

02-09-2009 Reported By				R. DYSART, K. S	POONTS						
DailyCosts: Dr	illing	\$4	9,337	Con	npletion	\$0		Daily	y Total	\$49,337	
<b>Cum Costs: Drilling</b>		\$2,207,223		Completion \$0			Well Total				
MD	3,630	TVD	7,245	Progress	188	Days	22	MW	8.9	Visc	40.0
Formation: PBTD		: 0.0		Perf:			PKR Dep	oth: 0.0			

Activity at Report Time: DRILLING @ 8630'

MW 8.9 VIS 36.

Start	End	Hrs Activity Description
06:00	06:30	0.5 DRILL ROTATE 8442' TO 8448' (6')
06:30	10:00	3.5 TRIP OUT OF HOLE FOR BIT #6
10:00	13:30	3.5 TRIP IN HOLE WITH BIT #7 TO 8448'
13:30	18:30	5.0 DRILL ROTATE 8448' TO 8531' (83') ROP 17 9–20K WOB, 210–252 GPM, 28–60 RPM ROTARY, 45–56 RPM MOTOR, 1400–1600 PSI.

MW 8.9 VIS 39. 18:30 19:00 0.5 SERVICE RIG 19:00 06:00 1600 PSI. SLIDE DEPTHS: 8596--8601, MW 8.9 VIS 39. SLIDE DEPTHS: 8596--8601, NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM SAFETY MEETINGS: 1)CHECK COM 2) FUEL: 1105, USED 1995 BOILER 24 HOURS. MUD LOGGER: DAY 22. MW 8.9 VIS 40.

02-10-2009 Reported By R. DYSART, K. SPOONTS DailyCosts: Drilling **Daily Total** \$83,159 Completion \$0 \$83,159 \$2,290,579 \$2,290,579 **Cum Costs: Drilling** Completion \$0 **Well Total** MD 8,735 TVD7,243 105 23 MW40.0 **Progress** Days Visc Formation: **PBTD**: 0.0 Perf: PKR Depth: 0.0

Activity at Report Time: DRILLING @ 8735'

06:00	Start	End	Hrs	<b>Activity Description</b>
08:30	06:00	08:30	2.5	
09:00 12:30 3.5 TRIP OUT OF HOLE FOR BIT #8  12:30 13:30 1.0 M/U BIT #8, NEW MOTOR, CHANGE OUT MWD  13:30 14:30 1.0 TRIP IN HOLE WITH BIT #8 TO 4300'  14:30 15:30 1.0 SLIP & CUT DRILL LINE  15:30 16:30 1.0 TRIP IN HOLE FROM 4300' TO 7900'  16:30 17:30 1.0 WASH/REAM TO 8000'.  17:30 18:00 0.5 TRIP IN HOLE TO 8557'.  18:00 19:30 1.5 WASH/REAM TO 8648'.  19:30 06:00 10.5 DRILL ROTATE 8648' TO 8735' (87') 15 –23K WOB, 210–250 GPM, 28–60 RPM ROTARY, 450–550 RPM MOTOR, 1700–2000 PSI. (GAMMA RAY TOOL FAILURE @ 20:30 ON BAKER HUGHES EQUIPMENT )  SLIDE DEPTHS:  8669' —8674'  NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM.  SAFETY MEETINGS: 1)TRIPS 2) TRIPS  FUEL: 7770, RECEIVED 8000  BOILER 24 HOURS.  MUD LOGGER: DAY 23.				SLIDE DEPTHS: 8633' TO 8637'
12:30	08:30	09:00	0.5	CIRCULATE FOR BIT TRIP
13:30	09:00	12:30	3.5	TRIP OUT OF HOLE FOR BIT #8
14:30	12:30	13:30	1.0	M/U BIT #8, NEW MOTOR, CHANGE OUT MWD
15:30	13:30	14:30	1.0	TRIP IN HOLE WITH BIT #8 TO 4300'
16:30 17:30 1.0 WASH/REAM TO 8000'. 17:30 18:00 0.5 TRIP IN HOLE TO 8557'. 18:00 19:30 1.5 WASH/REAM TO 8648'. 19:30 06:00 10.5 DRILL ROTATE 8648' TO 8735' (87') 15 –23K WOB, 210–250 GPM, 28–60 RPM ROTARY, 450–550 RPM MOTOR, 1700–2000 PSI. (GAMMA RAY TOOL FAILURE @ 20:30 ON BAKER HUGHES EQUIPMENT) SLIDE DEPTHS: 8669'—8674'  NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM. SAFETY MEETINGS: 1)TRIPS 2) TRIPS FUEL: 7770, RECEIVED 8000 BOILER 24 HOURS. MUD LOGGER: DAY 23.	14:30	15:30	1.0	SLIP & CUT DRILL LINE
17:30	15:30	16:30	1.0	TRIP IN HOLE FROM 4300' TO 7900'
18:00 19:30 1.5 WASH/REAM TO 8648'.  19:30 06:00 10.5 DRILL ROTATE 8648' TO 8735' (87') 15 –23K WOB, 210–250 GPM, 28–60 RPM ROTARY, 450–550 RPM MOTOR, 1700–2000 PSI. (GAMMA RAY TOOL FAILURE @ 20:30 ON BAKER HUGHES EQUIPMENT)  SLIDE DEPTHS:  8669' – 8674'  NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM.  SAFETY MEETINGS: 1)TRIPS 2) TRIPS  FUEL: 7770, RECEIVED 8000  BOILER 24 HOURS.  MUD LOGGER: DAY 23.	16:30	17:30	1.0	WASH/REAM TO 8000'.
19:30 06:00 10.5 DRILL ROTATE 8648' TO 8735' (87') 15 –23K WOB, 210–250 GPM, 28–60 RPM ROTARY, 450–550 RPM MOTOR, 1700–2000 PSI. (GAMMA RAY TOOL FAILURE @ 20:30 ON BAKER HUGHES EQUIPMENT) SLIDE DEPTHS: 8669'—8674'  NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM. SAFETY MEETINGS: 1)TRIPS 2) TRIPS FUEL: 7770, RECEIVED 8000 BOILER 24 HOURS. MUD LOGGER: DAY 23.	17:30	18:00	0.5	TRIP IN HOLE TO 8557'.
1700–2000 PSI. (GAMMA RAY TOOL FAILURE @ 20:30 ON BAKER HUGHES EQUIPMENT ) SLIDE DEPTHS: 8669'—8674'  NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM. SAFETY MEETINGS: 1)TRIPS 2) TRIPS FUEL: 7770, RECEIVED 8000 BOILER 24 HOURS. MUD LOGGER: DAY 23.	18:00	19:30	1.5	WASH/REAM TO 8648'.
NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM. SAFETY MEETINGS: 1)TRIPS 2) TRIPS FUEL: 7770, RECEIVED 8000 BOILER 24 HOURS. MUD LOGGER: DAY 23.	19:30	06:00	10.5	
NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM.  SAFETY MEETINGS: 1)TRIPS 2) TRIPS  FUEL: 7770, RECEIVED 8000  BOILER 24 HOURS.  MUD LOGGER: DAY 23.				SLIDE DEPTHS:
SAFETY MEETINGS: 1)TRIPS 2) TRIPS FUEL: 7770, RECEIVED 8000 BOILER 24 HOURS. MUD LOGGER: DAY 23.				8669'—8674'
FUEL: 7770, RECEIVED 8000 BOILER 24 HOURS. MUD LOGGER: DAY 23.				NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM.
BOILER 24 HOURS. MUD LOGGER: DAY 23.				SAFETY MEETINGS: 1)TRIPS 2) TRIPS
MUD LOGGER: DAY 23.				FUEL: 7770, RECEIVED 8000
				BOILER 24 HOURS.
MW 8.9 VIS 40.				MUD LOGGER: DAY 23.
				MW 8.9 VIS 40.

02–11–2009 Reported By R. DYSART, K. SPOONTS

**Daily Costs: Drilling** \$57,447 **Completion** \$0 **Daily Total** \$57,447

Cum Cost	ts: Drilling	\$2,348	3,026	Con	npletion	\$0		Wel	ll Total	\$2,348,026	
MD	9,088	TVD	7,224	Progress	353	Days	24	MW	9.0	Visc	38.0
Formation	n:		<b>PBTD</b> : 0.	0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: DRILLIN	G @ 9088'								
Start	End	Hrs Act	ivity Desci	ription							
06:00	15:30	9.5 DRI	LL ROTATE	E 8735' TO 889	4' (159') @	17 FPH					
		WO	B 14/20K, R	2PM 45/65 GP	M 306, MC	TOR RPM	691, PSI 2300	/2650			
		SLI	DE DEPTHS	S: 8785' TO 879	94'/ 8835' ]	ГО 8842'					
15:30	16:00	0.5 SER	VICE RIG								
16:00	06:00	14.0 DRI	LL ROTATE	E 8894' TO 908	8" (194') (	@ 14 FPH					
		WO	B 14/20K, R	2PM 45/65 GP	M 312, MC	TOR RPM	705, PSI 2300	/2700			
		SLI	DE DEPTHS	S: 8931' TO 89	43'/ 9028'	TO 9040'/ 9	060' TO 9072				
				S/ACCIDENTS		ED. CHECK	COM				
				INGS: PPE X	2						
			EL: 5600, U								
			LER 24 HO								
			D LOGGER								
			9.0 VIS 40.								
02-12-20	009 Re	eported By	R.	DYSART, K. S	POONTS						
DailyCost	ts: Drilling	\$64,64	19	Con	npletion	\$0		Dai	ly Total	\$64,649	
Cum Cost	ts: Drilling	\$2,412	2,675	Con	npletion	\$0		Wel	ll Total	\$2,412,675	
MD	9,263	TVD	7,227	Progress	175	Days	25	MW	8.9	Visc	40.0
Formation	n:		<b>PBTD</b> : 0.	0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: WASH &	REAM/LOG	G GR @ 8730'							
Start	End	Hrs Act	ivity Desci	ription							
06:00	16:00	10.0 DRI	LL ROTATE	E 9088' TO 925	0' (162') F	ROP 16					
		WO	B 14/22K, R	PM 45 + 670,	GPM 297, 1	PSI 2400/27	00				
		SLI	DE DEPTHS	S:							
		9120	6' TO 9138'/	9195' TO 920	0,						
16:00	16:30	0.5 SER	VICE RIG								
16:30	17:00	0.5 DRI	LL ROTATE	E 9250' TO 920	63' (13') 2	6 FPH					
		WO	B 14/22K, R	PM 45 + 670,	GPM 297, 1	PSI 2400/27	00				
		SLI	DE DEPTHS	S:							
17:00	00:00			SURED UP ON AMA LOG ON			TRIP FOR M	OTOR. (TR	RIP TO SHOE A	AND LAY DOW	N 18
00:00	03:30	3.5 TRI	P IN HOLE	W/ NEW BHA	TO 8633'.						
03:30	06:00	2.5 WA	SH/REAM &	& LOG WITH (	GAMMA F	7/8660' TO 8	3730'				
		WO	RK STRING	G @ 8660' TO 8	8690' TIGH	IT CONNEC	CTION 20K C	VER.			
		NO	INCIDENT	S/ACCIDENTS	DED⊜DTI	ED CHECK	COM				
				S/ACCIDENTS		LD. CHECK	COIVI.				

SAFETY MEETINGS: TRIPS X 2

FUEL: 4300, USED 1300 BOILER 24 HOURS. MUD LOGGER: DAY 25. MW 8.9 VIS 39.

			W 8.9 VIS 39								
02-13-200	9 Re	eported By	R.	DYSART, K. S	POONTS						
DailyCosts	: Drilling	\$94,9	95	Cor	npletion	\$0		Dail	y Total	\$94,995	
<b>Cum Costs</b>	: Drilling	\$2,50	7,671	Cor	npletion	\$0		Well	Total	\$2,507,671	
MD	9,505	TVD	7,221	Progress	242	Days	26	MW	8.9	Visc	39.0
Formation	:		<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at	Report Ti	me: DRILLIN	NG @ 9505'								
Start	End	Hrs Ac	tivity Desc	ription							
06:00	12:30	6.5 WA	SH/REAM,	LOG WITH GA	AMMA 873	30' TO T.D. 9263'					
12:30	13:30	1.0 DR	ILL ROTAT	E 9263' TO 929	3' (30') RC	OP 30					
		WC	OB 14/20K, I	RPM $45/65 + 62$	28, GPM 27	78, PSI 2300/2500					
13:30	14:00	0.5 SEI	RVICE RIG								
14:00	06:00			E 9293' TO 950	` ,						
					28, GPM 27	78, PSI 2300/2500					
		SLI	IDES: 9491'	TO 9498'							
		NO	INCIDENT	S/ACCIDENTS	S REPORTI	ED CHECK COM					
				TINGS: LOCK							
			EL: 2400, U								
		ВО	OILER 24 HC	OURS.							
		MU	JD LOGGEF	R: DAY 26.							
		MV	W 8.9 VIS 39	).							
02-14-200	9 Re	eported By	R.	DYSART, K. S	POONTS						
DailyCosts	: Drilling	\$84,4	20	Cor	npletion	\$0		Dail	y Total	\$84,420	
Cum Costs	: Drilling	\$2,59	2,091	Cor	npletion	\$0		Well	Total	\$2,592,091	
MD	9,746	TVD	7,218	Progress	241	Days	27	MW	8.8	Visc	38.0
Formation	:			. 0		Don't.					
			<b>PBTD</b> : 0	.0		Perf:			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity at		me: DRILLIN		.0		reri:			PKR Dep	<b>pth:</b> 0.0	
Activity at Start						ren :			PKR De <sub>l</sub>	<b>pth:</b> 0.0	
	Report Ti	Hrs Ac	NG @ 9746' tivity Desc		7' (142') I				PKR Dej	<b>pth:</b> 0.0	
Start	Report Tin	Hrs Ac	NG @ 9746' tivity Desc	<b>ription</b> E 9505' TO 964					PKR Dej	<b>oth:</b> 0.0	
Start	Report Tin	Hrs Ac	NG @ 9746' tivity Desc	r <b>iption</b> E 9505' TO 964 RPM 45/65 + 62		ROP 12'			PKR Dej	<b>oth:</b> 0.0	
Start	Report Tin	Hrs Ac 11.5 DR WC SLI	NG @ 9746'  ctivity Desc  CILL ROTAT  OB 14/23K, I  IDE DEPTH	r <b>iption</b> E 9505' TO 964 RPM 45/65 + 62	28, GPM 27	ROP 12'			PKR Dej	<b>oth:</b> 0.0	
Start	Report Tin	Hrs Ac 11.5 DR WC SLI 952	NG @ 9746'  ctivity Desc  CILL ROTAT  OB 14/23K, I  IDE DEPTH	r <b>iption</b> E 9505 <sup>,</sup> TO 964 RPM 45/65 + 62 S:	28, GPM 27	ROP 12'			PKR Dej	<b>pth:</b> 0.0	
<b>Start</b> 06:00	Report Tin End 17:30	Hrs Ac 11.5 DR WC SLI 952 0.5 SEI	NG @ 9746'  Ativity Desc  ALL ROTAT  AND 14/23K, I  ADD DEPTH  AND 128' TO 9533'  RVICE RIG	r <b>iption</b> E 9505 <sup>,</sup> TO 964 RPM 45/65 + 62 S:	28, GPM 27	ROP 12' '8, PSI 2300/2500			PKR Dej	<b>oth:</b> 0.0	
<b>Start</b> 06:00	Report Tin End 17:30	Hrs Ac 11.5 DR WC SLI 952 0.5 SEI 12.0 DR	NG @ 9746'  tivity Desc  LILL ROTAT.  DB 14/23K, I  IDE DEPTH  28' TO 9533'  RVICE RIG	E 9505' TO 964 RPM 45/65 + 62 S: ', 9628' TO 964: E 9647' TO 974	28, GPM 27 3' 6' (99') R	ROP 12' '8, PSI 2300/2500			PKR Dej	<b>pth:</b> 0.0	
<b>Start</b> 06:00	Report Tin End 17:30	Hrs Ac 11.5 DR WC SLI 952 0.5 SEI 12.0 DR	NG @ 9746'  tivity Desc  ILL ROTAT  DB 14/23K, I  IDE DEPTH  28' TO 9533'  RVICE RIG  ILL ROTAT  DB 14/23K, I	E 9505' TO 964 RPM 45/65 + 62 S: ', 9628' TO 964: E 9647' TO 974	28, GPM 27 3' 6' (99') R 28, GPM 27	ROP 12' '8, PSI 2300/2500 OP 8'			PKR De	<b>oth:</b> 0.0	
<b>Start</b> 06:00	Report Tin End 17:30	Hrs Ac 11.5 DR WC SLI 952 0.5 SEI 12.0 DR WC SLI	NG @ 9746'  ctivity Desc  CILL ROTAT.  DB 14/23K, I  IDE DEPTH  28' TO 9533'  RVICE RIG  CILL ROTAT.  DB 14/23K, I  IDE DEPTH	E 9505' TO 964 RPM 45/65 + 62 S: ', 9628' TO 964: E 9647' TO 974 RPM 45/65 + 62 S: 9657' TO 96	28, GPM 27 3' .6' (99') R 28, GPM 27 72'.	ROP 12' '8, PSI 2300/2500  OP 8' '8, PSI 2300/2500			PKR Dej	<b>oth:</b> 0.0	
<b>Start</b> 06:00	Report Tin End 17:30	Hrs Ac 11.5 DR WC SLI 952 0.5 SEI 12.0 DR WC SLI	NG @ 9746'  Ativity Desc  ALL ROTAT  ADB 14/23K, I  ADB	E 9505' TO 964 RPM 45/65 + 62 S: ', 9628' TO 964: E 9647' TO 974 RPM 45/65 + 62 S: 9657' TO 96	28, GPM 27 3' 6' (99') R 28, GPM 27 72'.	ROP 12' '8, PSI 2300/2500 OP 8'			PKR De	<b>pth:</b> 0.0	
<b>Start</b> 06:00	Report Tin End 17:30	Hrs Ac  11.5 DR  WC  SLI  952  0.5 SEI  12.0 DR  WC  SLI  NO  SAI	NG @ 9746'  Ativity Desc  ALL ROTAT  ADB 14/23K, I  ADB	E 9505' TO 964 RPM 45/65 + 62 S: ', 9628' TO 964: E 9647' TO 974 RPM 45/65 + 62 S: 9657' TO 96'	28, GPM 27 3' 6' (99') R 28, GPM 27 72'.	ROP 12' '8, PSI 2300/2500  OP 8' '8, PSI 2300/2500			PKR Dej	<b>pth:</b> 0.0	

MUD LOGGER: DAY 27.

MW 8.8 VIS 39.

RECEIVED 8000 GALLONS OF FUEL

02-15-200	9 Re	ported By	R.	DYSART, K. S	POONTS						
DailyCosts		\$77,51			npletion	\$0		Dail	y Total	\$77,518	
Cum Costs	_	\$2,662			npletion	\$0		· ·	Total	\$2,662,203	
MD	9,935	TVD	7,214	Progress	189	Days	28	MW	8.8	Visc	40.0
Formation	:		<b>PBTD</b> : 0	_		Perf :			PKR Dep	oth: 0.0	
Activity at	Report Ti	me: DRILLIN	IG @ 9935'								
Start	End	Hrs Act	tivity Desc	ription							
06:00	10:00	4.0 DR	ILL ROTAT	E 9746' TO 977	0' (24') RC	)P 6					
		WO	B 14/23K, I	RPM 45/65 + 62	28, GPM 27	78, PSI 2300/2	500				
10:00	15:00	5.0 TRI	P OUT OF	HOLE TO SUR	FACE, FO	UND CRACK	/ WASHOU	T ON PONY	COLLAR IN	BHA.	
15:00	19:00	4.0 TRI	P IN HOLE	TO 9702'.							
19:00	19:30	0.5 WA	SH/REAM	F/9702' TO 977	0'.						
19:30	06:00	10.5 DR	ILL ROTAT	E 9770' TO 993	5' (165') 1	6 ROP					
		WO	B 14/23K, I	RPM 45/65 + 62	28, GPM 27	78, PSI 2300/2	750				
		SLI	DE: 9782' T	O 9797', 9815'	TO 9825',	9847' TO 985	7', 9912' TO	9922'.			
		NO	INCIDENT	S/ACCIDENTS	S REPORTI	ED. CHECK C	COM				
				ΓINGS: TRIPPI							
		FUI	EL: 6900, U	ISED 1600							
			ILER 24 HC								
		MU	D LOGGER	R: DAY 28.							
		MW	8.8 VIS 39								
02-16-200	9 Re	eported By	R.	DYSART, K. S	POONTS						
DailyCosts	: Drilling	\$60,76	51	Con	npletion	\$0		Dail	y Total	\$60,761	
C C4-	. Duilling			Com	npletion	\$0		Well	l Total	\$2,722,964	
Cum Costs	. Drinning	\$2,722	2,964	Con							
	10,270	\$2,722 <b>TVD</b>	2,964 7,208	Progress	335	Days	29	MW	8.8	Visc	41.0
MD	10,270	TVD		Progress	_	Days Perf:	29				41.0
MD Formation	10,270	TVD	7,208 <b>PBTD:</b> 0	Progress	_	•	29		8.8		41.0
MD Formation Activity at	10,270	TVD	7,208 <b>PBTD:</b> 0	Progress	_	•	29		8.8		41.0
MD Formation Activity at	10,270 : Report Ti	TVD me: DRILLIN Hrs Act	7,208  PBTD: 0  IG @ 10270  tivity Desc	Progress	335	Perf:	29		8.8		41.0
MD Formation Activity at Start	10,270 : Report Ti	TVD me: DRILLIN Hrs Act 10.0 DRI	7,208 <b>PBTD:</b> 0  IG @ 10270 <b>tivity Desc</b> ILL ROTAT	Progress .0 , ription	335 96', (161')	Perf:			8.8		41.0
MD Formation Activity at Start	10,270 : Report Ti	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO	7,208 <b>PBTD:</b> 0  IG @ 10270 <b>tivity Desc</b> ILL ROTAT	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66	335 96', (161')	Perf:			8.8		41.0
MD Formation Activity at Start	10,270 : Report Ti	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO  SLI	7,208 <b>PBTD:</b> 0  IG @ 10270  tivity <b>Desc</b> ILL ROTATION 16/20K, F	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66	335 96', (161')	Perf:			8.8		41.0
MD Formation Activity at Start 06:00	10,270 : Report Tin	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO  SLI  0.5 SEF	7,208  PBTD: 0  IG @ 10270  LL ROTATI  B 16/20K, H  DE DEPTH  RVICE RIG	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66	335 96', (161') 55, GPM 27	Perf:  ROP 16' 70, PSI 2700/30			8.8		41.0
MD Formation Activity at Start 06:00	10,270 : Report Tin End 16:00	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO  SLI  0.5 SEF  13.5 DRI	7,208  PBTD: 0  IG @ 10270  tivity Desc  ILL ROTATI  DB 16/20K, F  DE DEPTH  RVICE RIG  ILL ROTATI	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66	335 96', (161') 55, GPM 27 270', (174'	Perf:  ROP 16' '0, PSI 2700/30' ) ROP 13'	000		8.8		41.0
MD Formation Activity at Start 06:00	10,270 : Report Tin End 16:00	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO  SLI  0.5 SEF  13.5 DRI  WO	7,208  PBTD: 0  IG @ 10270  Livity Desc  ILL ROTATI  B 16/20K, H  DE DEPTH  RVICE RIG  ILL ROTATI  B 16/20K, H	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66 S: E 10096' TO 10	335 96', (161') 55, GPM 27 270', (174' 9, GPM 27	Perf:  ROP 16' '0, PSI 2700/30' ) ROP 13'	000		8.8		41.(
<b>Start</b> 06:00	10,270 : Report Tin End 16:00	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO  SLI  0.5 SEF  13.5 DRI  WO  SLI	7,208  PBTD: 0  IG @ 10270  Livity Desc  ILL ROTATI  OB 16/20K, H  RVICE RIG  ILL ROTATI  OB 16/20K, H  DE DEPTH.  OB 16/20K, H  DE DEPTH.	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66 S: E 10096' TO 10 RPM 45/65 + 61	335 96', (161') 55, GPM 27 270', (174' 9, GPM 27 0181'.	Perf:  ROP 16' 70, PSI 2700/30  ) ROP 13' 70, PSI 2700/30	000		8.8		41.0
MD Formation Activity at Start 06:00	10,270 : Report Tin End 16:00	TVD  me: DRILLIN  Hrs Act  10.0 DRI  WO  SLI  0.5 SEF  13.5 DRI  WO  SLI  NO	7,208  PBTD: 0  IG @ 10270  LIVITY Desc  ILL ROTATI  B 16/20K, F  DE DEPTH  RVICE RIG  ILL ROTATI  B 16/20K, F  DE DEPTH  INCIDENT	Progress .0 , ription E 9935' TO 100 RPM 45/65 + 66 S: E 10096' TO 10 RPM 45/65 + 61 S: 10171' TO 1	335 96', (161') 55, GPM 27 270', (174' 9, GPM 27 0181'.	Perf:  ROP 16' 70, PSI 2700/30  ) ROP 13' 70, PSI 2700/30	000		8.8		41.0

BOILER 24 HOURS. MUD LOGGER: DAY 29.

MW 8.8 VIS 40.

02-17-200	)9 Re	ported By	R.	DYSART, K. SI	POONTS						
DailyCosts	s: Drilling	\$66,457	7	Com	pletion	\$6,387		Dail	y Total	\$72,844	
Cum Costs	s: Drilling	\$2,789,	748	Com	pletion	\$6,387		Well	l Total	\$2,796,135	
MD	10,440	TVD	7,209	Progress	170	Days	30	MW	9.0	Visc	41.0
Formation	1:	I	<b>PBTD</b> : 0.	0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at	Report Ti	ne: DRILLING	G @ 10440	,							
Start	End	Hrs Acti	vity Desc	ription							
06:00	09:00	3.0 DRII	L ROTATI	E 10,270' TO 10	,304' (34')	ROP 11.3					
		WOE	3 16/21K, F	RPM 45/65 + 610	0, GPM 27	0, PSI 2600/310	00				
		SLID	E DEPTH	S: 10,267' TO 10	),279'						
09:00	10:00	1.0 CIRC	CULATE F	OR TRIP OUT (	OF HOLE,	(MOTOR FAIL	URE)				
10:00	13:30	3.5 TRIP	OUT OF I	HOLE FROM 10	),304° LAY	OUT MOTOR	(BEARIN	IG FAILURE	E) MWD & ST	ABILIZERS.	
13:30	14:00	0.5 PICK	UP NEW	1.0, (2.26) MOT	TOR, MWI	O & STABILIZI	ERS. TRIP	IN HOLE T	O'		
14:00	17:30	3.5 TRIP	IN HOLE	TO 10243'.							
17:30	18:00	0.5 WAS	H/REAM l	F/ 10243' TO 10	304'.						
18:00	06:00	12.0 DRII	L ROTATI	E 10,304' TO 10	440' (136'	) 12 ROP					
		WOE	16K, RPN	1 45/65 + 610, C	GPM 270, I	PSI 2600/3100					
		SLID	E DEPTH	S: 10332' TO 10	0342'.						
		NO I	NCIDENT	S/ACCIDENTS	REPORTI	ED. CHECK CO	)M				
		SAFI	ETY MEET	TINGS: TRIPPI	NG X 2						
		FUEI	L: 3480, U	SED 2420							
		BOIL	ER 24 HO	URS.							
		MUD	LOGGER	: DAY 30.							
		MW	9.0 VIS 40								
02-18-200	)9 Re	ported By		DYSART, K. SI	POONTS						
			R.	DYSART, K. SI	POONTS apletion	\$20,034		Dail	y Total	\$104,700	
DailyCosts		ported By	R.	DYSART, K. SI		\$20,034 \$26,421			y Total I Total	\$104,700 \$2,900,836	
DailyCosts Cum Costs	s: Drilling	<b>ported By</b> \$84,666	R.	DYSART, K. SI	pletion		31		-		42.0
DailyCosts Cum Costs MD	s: Drilling s: Drilling 10,720	\$84,666 \$2,874,	R. 6 415	DYSART, K. SI  Com  Com  Progress	pletion	\$26,421	31	Well	Total	\$2,900,836 <b>Visc</b>	42.0
DailyCosts Cum Costs MD Formation	s: Drilling s: Drilling 10,720	\$84,666 \$2,874,	R. 415 7,199 PBTD: 0.	DYSART, K. SI  Com  Com  Progress	pletion	\$26,421 <b>Days</b>	31	Well	l Total	\$2,900,836 <b>Visc</b>	42.0
DailyCosts Cum Costs MD Formation Activity at	s: Drilling s: Drilling 10,720	\$84,666 \$2,874, TVD	R. 415 7,199  PBTD: 0. G @ 10,720	DYSART, K. SI  Com  Com  Progress	pletion	\$26,421 <b>Days</b>	31	Well	Total	\$2,900,836 <b>Visc</b>	42.0
DailyCosts Cum Costs MD Formation Activity at	s: Drilling s: Drilling 10,720 a: Report Tin	\$84,666 \$2,874, TVD Ine: DRILLING	R. 415 7,199 PBTD: 0. G @ 10,720 vity Desc.	DYSART, K. SI  Com  Com  Progress	apletion apletion 280	\$26,421  Days  Perf:	31	Well	Total	\$2,900,836 <b>Visc</b>	42.0
DailyCosts Cum Costs MD Formation Activity at	s: Drilling 10,720 a: Report Tin	\$84,666 \$2,874, TVD Ine: DRILLING Hrs Actir 8.5 DRIL	R. 415 7,199  PBTD: 0. G @ 10,720  vity Desc. LL ROTATI	DYSART, K. SI  Com  Com  Progress 0  , ription	apletion 280 281' (141'	\$26,421  Days  Perf:	31	Well	Total	\$2,900,836 <b>Visc</b>	42.0
DailyCosts Cum Costs MD Formation Activity at	s: Drilling 10,720 a: Report Tin	\$84,666 \$2,874, TVD Ine: DRILLING Hrs Active 8.5 DRIL WOE	R. 415 7,199  PBTD: 0. G @ 10,720  vity Desc. LL ROTATI	Com Com Progress 0 '' ription E 10,440' TO 10 M 45/65 + 610, C	apletion 280 281' (141'	\$26,421  Days  Perf:	31	Well	Total	\$2,900,836 <b>Visc</b>	42.0
DailyCosts Cum Costs MD Formation Activity at	s: Drilling 10,720 a: Report Tin	\$84,666 \$2,874, TVD Ine: DRILLING Hrs Acti 8.5 DRIL WOE SLID	R. 415 7,199 PBTD: 0. G @ 10,720 vity Desc. L ROTATI	Com Com Progress 0 y ription E 10,440' TO 10 4 45/65 + 610, C	apletion 280 281' (141'	\$26,421  Days  Perf:	31	Well	Total	\$2,900,836 <b>Visc</b>	42.0
MD Formation Activity at Start	s: Drilling 10,720 a: Report Tin	\$84,666 \$2,874, TVD Ine: DRILLING Hrs Acti 8.5 DRIL WOE SLID	R.  415  7,199  PBTD: 0.  G @ 10,720  vity Desc.  L ROTATI  B 16K, RPM  DE DEPTH:  9 TO 10509	Com Com Progress 0 y ription E 10,440' TO 10 4 45/65 + 610, C	apletion 280 281' (141'	\$26,421  Days  Perf:	31	Well	Total	\$2,900,836 <b>Visc</b>	42.0
DailyCosts Cum Costs MD Formation Activity at Start 06:00	s: Drilling 10,720 a: Report Tit End 14:30	\$84,666 \$2,874, TVD  Ine: DRILLING Hrs Active 8.5 DRIL WOE SLID 10499	R.  7,199  PBTD: 0.  G @ 10,720  vity Desc.  L ROTATI  3 16K, RPM  DE DEPTH:  9 TO 10509	Com Com Progress 0 y ription E 10,440' TO 10 4 45/65 + 610, C	apletion 280 ,581' (141 GPM 270, 1	\$26,421  Days  Perf:  2) 16 ROP  PSI 2600/3100	31	Well	Total	\$2,900,836 <b>Visc</b>	42.0

SLIDE DEPTHS: 10590 TO 10600, 10,656' TO 10,667'.

NO INCIDENTS/ACCIDENTS REPORTED. CHECK COM

SAFETY MEETINGS: 100% TIE OFF

FUEL: 900, USED 2580 BOILER 24 HOURS. MUD LOGGER: DAY 31.

Activity at Report Time: TOH FOR MOTOR

		MW	8.8 VIS 42	<b>.</b> .							
02-19-200	9 Re	eported By	BI	EARDSLEY / S	CHLENKE	ER					
DailyCosts	: Drilling	\$91,558	8	Con	pletion	\$0		Dail	y Total	\$91,558	
Cum Costs	: Drilling	\$2,965,	,973	Con	pletion	\$26,421		Well	Total	\$2,992,394	
MD	10,956	TVD	7,201	Progress	236	Days	32	MW	8.8	Visc	42.0
Formation	:	]	<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at	Report Ti	me: TOH FOR	MOTOR								
Start	End	Hrs Acti	vity Desc	ription							
06:00	15:30		LL ROTAT I, 2500–30	E & SLIDE F/10 00 PSI.	0720–1083	9' (119' @ 12.5	5'/HR) 15-	-18K WOB, 4	5 RPM ROTA	ARY, 610 MOTO	R, 270
		MUI	WT. 8.8,	VIS 42.							
		SLID	E DEPTH	S: 10,721' TO 1	0,731'						
15:30	16:00	0.5 SERV	VICE RIG.								
		MUI	WT. 8.8,	VIS 42.							
16:00	02:00		LL ROTAT I, 2500–30	E & SLIDE F/10 00 PSI.	)839–1095	6' (117' @ 11.7	"/HR) 15-	-18K WOB, 4	5 RPM ROTA	ARY, 610 MOTO	R, 270
				, WENT BACK PUT NEW NAIL					STALLED, W	OULD NOT RI	ELEASE,
		MUI	WT. 8.8,	VIS 42.							
		SLID	E DEPTH	S: 10912–10922	2', 10946–1	10956'.					
02:00	06:00	4.0 POO	H W/WET	PIPE FOR NEV	W MOTOR						
		MUL	O WT. 8.8,	VIS 41.							
		SAFI	ETY MEE	ΓINGS: CLEAN	IING,						
				BOTH TOURS.							
		NO I	NCIDENT	S/ACCIDENTS	REPORTI	ED.					
				ED BY BOTH T							
		FUE	L ON HAN	ND: 7200 GAL.	RECEIVE	D TODAY: 800	0 GAL. US	SED: 1700 G	AL.		
			LER 24 HC								
		FOR	MATION:	NORTH HORN	, NO FLA	RE.					
		MUI	LOGGE	R DAY 32.							
02-20-200	9 R	eported By	W	BEARDSLEY,	J. SCHLE	NKER					
DailyCosts	: Drilling	\$62,89	7	Con	pletion	\$0		Dail	y Total	\$62,897	
Cum Costs	: Drilling	\$3,028,	,870	Con	pletion	\$26,421		Well	Total	\$3,055,291	
MD	11,048	TVD	7,204	Progress	92	Days	33	MW	8.8	Visc	41.0
Formation	:	1	<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	

Start	End	Hrs	<b>Activity Desc</b>	ription							
06:00	09:00	3.0				OR HAD RADI. TATE & DRAIN			PPED DOWN	APPROX. 1". HAI	TO PUSH
			MUD WT. 8.8,	VIS 41.							
09:00	10:00	1.0	CHANGE OUT	MWD TOOL,	ORIENT N	NEW MOTOR.					
			MUD WT. 8.8,	VIS 41.							
10:00	11:00	1.0	TRIP IN HOLE	TO APPROX.	4500'.						
			MUD WT. 8.8,	VIS 41.							
11:00	12:00	1.0	FILL PIPE, SLI	P & CUT DRII	L LINE.						
12:00	14:30	2.5	CONTINUE TI	H TO 10650', S	TARTING	TO STACK OU	T WEIGH	T.			
14:30	15:30	1.0	WASH/REAM	10650-10956',	NO HARD	REAMING.					
15:30	18:00	2.5	DRILL ROTAT 2580–3000 PSI		0956–1098	6' (30' @ 12'/H	R) 16–20F	K WOB, 4	5 RPM ROTA	RY, 675 MOTOR,	270 GPM,
			MUD WT. 8.8,	VIS 42.							
18:00	18:30	0.5	SERVICE RIG.								
18:30	02:00	7.5	DRILL ROTAT 2580–3000 PSI		0986–1104	8' (62' @ 8.3'/H	IR) 16–20	K WOB,	45 RPM ROTA	ARY, 675 MOTOR,	270 GPM,
			MUD WT. 8.8,	VIS 40.							
				ENT TO 1750 P	SI W/21 SI	PM ON #1 PUM	P. WORK	ED PIPE,	ROTATED, C	ING NAIL. RESET COULD NOT RELI VT.	
			INDICATIONS	OF MUD MOT	TOR FAILU	JRE. PREPARE	ТО РООН	ł.			
02:00	06:00	4.0	POOH W/WET	PIPE FOR SUS	SPECTED :	MUD MOTOR I	FAILURE.				
			MUD WT. 8.8,	VIS 40.							
			SAFETY MEE	TINGS: POP O	FF/PSI REI	LEASE, TRIPPI	NG WET	PIPE.			
			FULL CREWS	BOTH TOURS							
			NO INCIDENT	S/ACCIDENTS	S REPORTI	ED.					
			COM CHECKE	D BY BOTH T	OURS.						
			FUEL ON HAN	ID: 5630 GAL.	USED: 15	70 GAL.					
			BOILER 24 HC	URS.							
			FORMATION:	NORTH HORN	I, NO FLA	RE.					
			MUD LOGGER	2 DAY 33.							
02-21-200	)9 Re	ported l	By W	BEARDSLEY	, J. SCHLE	NKER					
DailyCosts	s: Drilling	\$	63,963	Cor	npletion	\$490		D	aily Total	\$64,454	
Cum Costs	s: Drilling	\$	3,092,834	Cor	npletion	\$26,911		W	ell Total	\$3,119,745	
MD	11,250	TVD	7,198	Progress	202	Days	34	MW	8.8	3 Visc	41.0
Formation	ı <b>:</b>		<b>PBTD</b> : 0	.0		Perf:			PKR I	<b>Depth</b> : 0.0	
Activity at	Report Ti	me: DRII	LLING @ 11250	,							

Start	End	Hrs	Activity Description
06:00	08:00	2.0	CONTINUE POOH. CHECKED BICO MOTOR ON SURFACE. LOUD SQUEALING, GRINDING NOISE FELT & HEARD WHEN DRAINING MOTOR, NO RUBBER OR OTHER OBJECTS IN BIT. LAY DOWN BAD MOTOR.
			MUD WT. 8.8, VIS 41.
08:00	08:30	0.5	PICK UP NEW BAKER MOTOR & STABS FOR BHA #13. ORIENT MWD. RERUN BIT.
			MUD WT. 8.8, VIS 41.
08:30	09:00	0.5	SERVICE RIG.

02-22-2009	Renor	ted R	v W. BEARDSLEY, J. SCHLENKER
		]	MUD LOGGER DAY 34.
		]	FORMATION: NORTH HORN, NO FLARE.
		]	BOILER 24 HOURS.
		]	FUEL ON HAND: 4120 GAL. USED: 1510 GAL.
		(	COM CHECKED BY BOTH TOURS.
		]	NO INCIDENTS/ACCIDENTS REPORTED.
		]	FULL CREWS BOTH TOURS.
		:	SAFETY MEETINGS: TRIPPING PIPE, LAST DAY.
		•	22222. 11202 11212 (10 / C 1/W G11)
			SLIDES: 11205–11215' (10') @ 170R GTF.
			MUD WT. 8.8, VIS 41.
19:30	06:00		DRILL ROTATE & SLIDE F/11097–11250' (153' @ 14.6'/HR) 14–18K WOB, 45 RPM ROTARY, 610 MOTOR, 270 GPM, 2450–3000 PSI.
19:00	19:30	0.5	SERVICE RIG.
		:	SLIDES: 11055–11062' (7') @ 25R GTF, 11075–11085', (10') @ 20R GTF.
		]	MUD WT. 8.8, VIS 41.
14:30	19:00		DRILL ROTATE & SLIDE F/11048–11097' (49' @ 10.9'/HR) 14–18K WOB, 45 RPM ROTARY, 610 MOTOR, 270 GPM, 2450–3000 PSI.
		]	MUD WT. 8.8, VIS 41.
13:00	14:30	1.5	WASH/REAM F/10695–11048', NO HARD REAMING.
		]	MUD WT. 8.8, VIS 41.
09:00	13:00	4.0	TRIP IN HOLE WITH BHA #13, RERUN BIT #8. TIH TO 10695.
		]	MUD WT. 8.8, VIS 41.

02-22-200	9 R	eported By	V	V. BEARDSLEY,	J. SCHLE	NKER					
DailyCosts	: Drilling	\$57.	,368	Com	pletion	\$735		Daily	y Total	\$58,103	
Cum Costs	: Drilling	\$3,1	50,202	Com	pletion	\$27,646		Well	Total	\$3,177,849	
MD	11,355	TVD	7,182	Progress	105	Days	35	MW	8.8	Visc	40.0
Formation	:		<b>PBTD</b> : (	0.0		Perf:			PKR Dep	<b>oth:</b> 0.0	

Activity at Report Time: LD DP

Activity a	t Report Ti	me: LD I	OP
Start	End	Hrs	Activity Description
06:00	13:00	7.0	DRILL ROTATE & SLIDE F/11250'–11355' (105' @ 15'/HR) 14–18K WOB, 45 RPM ROTARY, 610 MOTOR, 270 GPM, 2450–3000 PSI. MUD WT. 8.8, VIS 40. SLIDE 11268–11273' (5') @ 180 GTF. REACHED TD @ 12:43 HRS, 02/21/09.
13:00	14:00	1.0	CIRCULATE BOTTOMS UP.
			MUD WT. 8.8, VIS 40.
14:00	16:00	2.0	SHORT TRIP TO 7" CASING SHOE, STAND BACK 30 STANDS, LAY DOWN 19 JTS TO WASH TO BOTTOM WITH.
			MUD WT. 8.8, VIS 41.
16:00	17:00	1.0	TIH TO 11115', STACKING OUT.
			MUD WT. 8.8, VIS 41.
17:00	18:00	1.0	WASH/REAM F/11115–11355', NO HARD FILL.
			MUD WT. 8.8, VIS 41.
18:00	19:30	1.5	CIRCULATE BOTTOMS UP, SPOT BEAD PILL, HOLD PRE–JOB SAFETY MEETING WITH WEATHERFORD LAYDOWN CREW & RIG CREW. RIG UP LAYDOWN TRUCK.
19:30	06:00	10.5	LAY DOWN 4" DRILL PIPE & BHA.
			MUD WT. 8.8, VIS 40.
			SAFETY MEETINGS: LAYING DOWN PIPE.

FULL CREWS BOTH TOURS.

NO INCIDENTS/ACCIDENTS REPORTED.

COM CHECKED BY BOTH TOURS.

FUEL ON HAND: 2300 GAL. USED: 1820 GAL.

BOILER 24 HOURS.

FORMATION: NORTH HORN, NO FLARE.

MUD LOGGER DAY 35. MUD LOGGER RELEASED ON 02/21/09.

02-23-20	09 Re	eported By	W	. BEARDSLEY,	J. SCHLE	NKER					
DailyCost	s: Drilling	\$61,7	88	Com	npletion	\$255,303		Dail	y Total	\$317,092	
Cum Cost	ts: Drilling	\$3,21	1,991	Con	npletion	\$282,950		Wel	l Total	\$3,494,942	
MD	11,355	TVD	7,182	Progress	0	Days	36	MW	0.0	Visc	0.0
Formation	n:		<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: RDRT/W	O COMPLI	ETION							
Start	End	Hrs Ac	tivity Desc	ription							
06:00	08:00	2.0 CC	NTINUE LA	AYING DOWN	4" DRILL	PIPE, BREAK	KELLY, L	AY DOWN I	ВНА.		
		MU	JD WT. 8.8,	VIS 40.							
08:00	08:30	0.5 PU	LL WEAR I	BUSHING, FILL	HOLE.						
		MU	JD WT. 8.8,	VIS 40.							
08:30	10:30			LOOR, HOLD P //FILL TOOL. M			TING WIT	H WEATHE	RFORD CASI	ERS AND RIG	CREW. RIG
		01	Crishins V	TIEE TOOE. II	100 111	7.0, 115 10.					
10:30	20:30	110 22	) LTC CASII JTS CASIN	OF 4 1/2" 11.6# I NG AS FOLLOV G, MARKER JT NT. LAND @ 1	WS: FLOA , 71 JTS C	AT SHOE, 1 JT ASING, MARK	CASING, ER JT, 15	FLOAT COI 0 JTS CASII	LLAR, 23 JTS NG, PUP JT, H	CASING, MAI IANGER ASSE	RKER JT, MBLY,
		938	30', MARKE	ER #3 6343–6364 PER JOINT NEX	4'. CASIN	IG EQUIPPED					
		SE TR	VERAL TIM AVELING A	LAST 6 JOINTS MES BEFORE PI ASSEMBLEY. 99 TH 26,000# W/O	ICKING U 9,000# PIC	P LANDING JO KUP, 26,000# S	OINT. PIC SLACKOF	KUP 115,00 F W/O TRA	0#, SLACKOF VELING ASSI	FF 40,000# INC	LUDING
20:30	21:00	0.5 RIG	G DOWN CA	ASERS, INSTAL	LL CIRCU	LATING SWAC	E.				
		MU	JD WT. 8.8,	VIS 40.							
21:00	22:00	1.0 CII	RCULATE A	T 254 GPM.							
		MU	JD WT. 8.8,	VIS 40.							
22:00	22:30	0.5 HC	DLD PRE-JO	OB SAFETY ME	EETING W	//SCHLUMBER	GER CEN	MENTERS &	z RIG CREW.	RIG UP CEME	NTERS.
22:30	00:30	DR 5.9 DI: PIT 175	OP BOTTO 55 GAL/SK SPERSANT TS. DROP TO 5.5 CALCUL	DUCTION CAS M PLUG. PUMI MIX WATER) V AND .4% D167 OP PLUG. DISP ATED DISPLA L BACK TO TU	P 124 BBL W/2% D02 FLUID LO PLACE W I CEMENT.	(540 SX, 697 C 0 EXTENDER, OSS. PUMP SL FRESH WATER FINAL PUMP	CU FT) 14. .1% D046 URRY AT . @ 5 BBL	1 PPG 50:50 5 ANTIFOAI 5 BBL/MIN /MIN, BUM	POZ/G TAIL M, .1% D013 I SHUT DOW PED PLUG V	CEMENT (1.29 RETARDER, .29 N AND WASH W/175 BBL DIS	O CU FT/SK, % D065 UP TO SPLACED,
00:30	01:30	1.0 WA	AIT ON CEM	MENT.							
01:30	03:00			NDING JOINT, G HEAD IS INS			FMC. NO	PORT, COU	LD NOT TEST	Γ TO 5000 PSI.	WILL TEST

03:00 05:00 2.0 NIPPLE DOWN, CLEAN MUD TANKS. 05:00 06:00 1.0 RDRT, PREPARE FOR APPROX. 7 MILE MOVE TO THE CWU 1372-29. TRUCKS SCHEDULED FOR 0800 ON 02/23/09. SAFETY MEETINGS: RUNNING CASING, CEMENTING. FULL CREWS BOTH TOURS. NO INCIDENTS/ACCIDENTS REPORTED. TRANSFERS FROM CWU 1227-06H TO CWU 1372-29: 4 JOINTS OF 4 1/2" 11.6" N-80 LTC (2 NEW, 2 BAD). 6 JOINTS OF 4 1/2" 11.6" P-110 LTC (NEW). 3 MARKER JOINTS OF 4 1/2" 11.6" P-110 LTC. (NEW) 1500 GAL OF WINTER BLEND FUEL @ \$2.091/GAL. 06:00 RIG RELEASED @ 06:00 HRS, 02/23/09. CASING POINT COST \$3,181,470 02-28-2009 Reported By HACKING \$0 DailyCosts: Drilling Completion \$12,300 **Daily Total** \$12,300 \$3,211,991 \$295,250 **Well Total** \$3,507,242 **Cum Costs: Drilling** Completion 11,355 0 37 0.0 0.0 MD **TVD** 7,182 **Progress** Davs MWVisc **Formation: PBTD**: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: RIH W/ BIT & SCRAPER TO PBTD Start End **Activity Description** 06:00 06:00 24.0 MIRUSU. NU BOPS. PU 3 7/8" BIT & SCRAPER. PU TBS, 310 JTS. EOT @ 10,160'. CIRC BOTTOMS UP. SDFN. 03-03-2009 HACKING Reported By DailyCosts: Drilling \$6,800 **Daily Total** \$6,800 Completion **Cum Costs: Drilling** \$3,211,991 \$302,050 \$3,514,042 Completion Well Total 11,355 0.0 0.0 MD TVD 7,182 Days 38 MWVisc **Progress** Formation: **PBTD**: 0.0 Perf: PKR Depth: 0.0 Activity at Report Time: RIH W/TBS. TO PBTD Start End **Activity Description** 06:00 06:00 24.0 0 PSIG. RIH W/35 JTS. TAG @ 11295' CIRC W/160 BBLS. POH. LD 345 JTS, BIT & SCRAPER. ND BOPS. NU TREE. 03-05-2009 SEARLE Reported By \$59,500 \$59,500 DailyCosts: Drilling \$0 Completion **Daily Total** \$3,573,542 **Cum Costs: Drilling** \$3,211,991 Completion \$361,550 Well Total MD 11,355 **TVD** 7,182 39 MW0.0 0.0 **Davs** Visc **Progress Formation: PBTD**: 11304.0 Perf: PKR Depth: 0.0 Activity at Report Time: WO COMPLETION Start End Hrs **Activity Description** 24.0 MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 1200'. EST CEMENT TOP @ 4570'. 06:00 06:00 RD SCHLUMBERGER. 02-09-2010 Reported By HISLOP \$0 \$7,394 \$7,394 DailyCosts: Drilling **Daily Total** Completion Page 30

Cum Cos	ts: Drilling	\$3,2	211,991	Co	mpletion	\$368,944		Well	Total	\$3,580,936	
MD	11,355	TVD	7,182	Progress	0	Days	40	MW	0.0	Visc	0.0
Formatio	n:		<b>PBTD</b> : 1	1304.0		Perf:			PKR Dep	oth: 0.0	
Activity a	ıt Report Ti	me: PREP T	TO PERFORA	TE							
Start	End	Hrs A	ctivity Desc	ription							
06:00	06:00	24.0 S	ICP 0 PSIG. M	MIRUSU. ND	TREE. NU F	RAC VALVE &	BOP. RIH	WITH 2-3	/8" COLLAR	го 7420'. РОН.	SDFN.
02-10-20	)10 Re	eported By	H	ISLOP							
DailyCost	ts: Drilling	\$0		Co	mpletion	\$8,302		Dail	y Total	\$8,302	
Cum Cos	ts: Drilling	\$3,2	211,991	Co	ompletion	\$377,246		Well	Total	\$3,589,238	
MD	11,355	TVD	7,182	Progress	0	Days	41	MW	0.0	Visc	0.0
Formatio	n: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf</b> : 10741	' – 10913'		PKR Dep	oth: 0.0	
Activity a	ıt Report Ti	me: PREP T	TO FRAC								
Start	End	Hrs A	ctivity Desc	ription							
06:00	06:00					& FRAC VALVE 741'–42', 10745					
						3 SPF & 120 D					
02-11-20	010 Re	eported By	H	ISLOP							
DailyCost	ts: Drilling	\$0		Co	ompletion	\$7,640		Dail	y Total	\$7,640	
Cum Cos	ts: Drilling	\$3,2	211,991	Co	mpletion	\$384,886		Well	Total	\$3,596,878	
MD	11,355	TVD	7,182	Progress	0	Days	42	MW	0.0	Visc	0.0
Formatio	n: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf</b> : 10741	' – 10913'		PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: PREP I	FOR FRAC								
Start	End	Hrs A	ctivity Desc	ription							
06:00	06:00	24.0 S	ITP 0 PSIG. S	ICP 0 PSIG. P	OH, LD TBO	G & TCP GUNS	. ND BOP.	NU 2ND F	RAC VALVE.	RDMOSU.	
02-16-20	)10 Re	eported By	M	CCURDY							
DailyCost	ts: Drilling	\$0		Co	mpletion	\$4,093		Dail	y Total	\$4,093	
Cum Cos	ts: Drilling	\$3,2	211,991	Co	mpletion	\$388,979		Well	Total	\$3,600,971	
MD	11,355	TVD	7,182	Progress	0	Days	43	MW	0.0	Visc	0.0
Formatio	n: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf</b> : 9962'	- 10913 <b>'</b>		PKR Dep	oth: 0.0	
Activity a	t Report Ti	me: FRAC									
Start	End	Hrs A	ctivity Desc	ription							
06:00	06:00	M 4	IICROBIOCII 1022 GAL 16‡	DE, 1098 GAL # DELTA 140	. 16# LINEA W/143700# 2	NORTH HORN 1 R PAD, 18961 ( 20/40 SAND @ 1 TR 36.6 BPM. I	GAL 16# L 2–5 PPG, S	INEAR W/ SCALECHE	16600# 20/40 \$ K HT @ 0.75#	SAND @ 1–1.25 #/1000# PROP.	5 PPG,
		10 P: M: 48	0551'–52', 10 HASING. RD IICROBIOCII 8924 GAL 16#	568'–69', 105 WL. RU HAL DE, 3614 GAL # DELTA 140	94'–95', 106 LIBURTON, . 16# LINEA W/149500# 2	CFP AT 10705', J 518'-19', 10647' FRAC DOWN 6 R PAD, 18953 0 20/40 SAND @ 2 TR 38.8 BPM. I	'–48', 1066 CASING W GAL 16# L 2–4 PPG, S	53'–66', 106 V/500 GAL INEAR W/ SCALECHE	580'–81' @ 3 S 15% HCL, 110 16600# 20/40 S K HT @ 0.75#	SPF & 120 DEG OGAL K–87 SAND @ 1–12 #/1000# PROP.	REE 5 PPG,

STAGE #3: RUWL. SET 6K CFP AT 10463'. PERFORATE NORTH HORN FROM 10194'–95', 10238'–39', 10307'–308', 10332'–33', 10364'–65', 10386'–87', 10399'–400', 10419'–20', 10436'–37' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K–87 MICROBIOCIDE, 6081 GAL 16# LINEAR PAD, 19530GAL 16# LINEAR W/16900# 20/40 SAND @ 1–1..25 PPG, 53341 GAL 16# DELTA 140 W/183400# 20/40 SAND @ 2–5 PPG, SCALECHEK HT @ 0.75#/1000# PROP. MTP 7886 PSIG. MTR 51.4 BPM. ATP 6247 PSIG. ATR 44.8 BPM. ISIP 2783 PSIG. RD HALLIBURTON.

STAGE #4: RUWL. SET 6K CFP AT 10165'. PERFORATE NORTH HORN FROM 9962'-63', 9978'-79', 10021'-22', 10046'-47', 10064'-65', 10080'-81', 10098'-99', 10110'-11', 10130'-31' @ 3 SPF & 120 DEGREE PHASING. RDWL. SDFN.

02-17-2010	Re	ported	By	MCCURDY							
DailyCosts:	Drilling	;	\$0		Completion	\$4,093		Dail	y Total	\$4,093	
<b>Cum Costs:</b>	Drilling	:	\$3,211,991		Completion	\$393,072		Well	Total	\$3,605,064	
MD	11,355	TVD	7,18	2 Progres	<b>o</b> 0	Days	44	MW	0.0	Visc	0.0
Formation:	NORTH I	HORN	PBTD	: 11304.0		<b>Perf</b> : 9131'	- 10913'		PKR Dep	oth: 0.0	

Activity at Report Time: FRAC STAGE 7

# Start End Hrs Activity Description

06:00 06:00

24.0 STAGE #4: SICP 430 PSIG. DROP BALL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K–87 MICROBIOCIDE, 5966 GAL 16# LINEAR PAD, 20307 GAL 16# LINEAR W/17300# 20/40 SAND @ 1–1.25 PPG, 77137 GAL 16# DELTA 140 W/271500# 20/40 SAND @ 2–5 PPG, SCALECHEK HT @ 0.75#/1000# PROP. MTP 8334 PSIG. MTR 50.2 BPM. ATP 6242 PSIG. ATR 46.3 BPM. ISIP 3424 PSIG. RD HALLIBURTON.

STAGE #5: RUWL. SET 6K CFP AT 9925'. PERFORATE NORTH HORN FROM 9682'-83', 9720'-21', 9739'-40', 9785'-86', 9811'-12', 9838'-39', 9867'-68', 9877'-78', 9891'-92' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 6066 GAL 16# LINEAR PAD, 21415 GAL 16# LINEAR W/5600# 20/40 SAND @ 0.5 PPG, 400 GAL 15% HCL, 5460 GAL 16# LINEAR PAD, 67295 GAL 16# DELTA 140 W/233800# 20/40 SAND @ 1.25-4 PPG, SCALECHEK HT @ 0.75 #/1000# PROP. MTP 8437 PSIG. MTR 51.3 BPM. ATP 6605 PSIG. ATR 49.6 BPM. ISIP 3205 PSIG. RD HALLIBURTON

STAGE #6: RUWL. SET 6K CFP AT 9640'. PERFORATE NORTH HORN FROM 9400'-01', 9426'-27', 9462'-63', 9500'-01', 9520'-21', 9547'-48', 9577'-78', 9590'-91', 9620'-21' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 6506 GAL 16# LINEAR PAD, 18980 GAL 16# LINEAR W/16600# 20/40 SAND @ 1-1.25 PPG, 62449 GAL 16# DELTA 140 W/201300# 20/40 SAND @ 2-4 PPG, SCALECHEK HT @ 0.75#/1000# PROP. MTP 7096 PSIG. MTR 51 BPM. ATP 6120 PSIG. ATR 50.3 BPM. ISIP 5453 PSIG. RD HALLIBURTON.

STAGE #7: RUWL. SET 6K CFP AT 9365'. PERFORATE NORTH HORN FROM 9131'-32', 9149'-50', 9169'-70', 9195'-96', 9225'-26', 9254'-55', 9301'-02', 9319'-20', 9344'-45' @ 3 SPF & 120 DEGREE PHASING. RDWL. SDFN.

02-18-2010	Re	eported	l By	MCCURE	DY						
DailyCosts: 1	Drilling		\$0		Completion	\$4,093		Daily '	Total	\$4,093	
Cum Costs:	Drilling		\$3,211,991		Completion	\$397,165		Well T	otal	\$3,609,157	
MD	11,355	TVD	7,18	Prog	gress 0	Days	45	MW	0.0	Visc	0.0
Formation:	NORTH I	HORN	PBTD	: 11304.0		<b>Perf:</b> 8154'	- 10913'		PKR Dep	oth: 0.0	
A =4!==!4== =4 D	Ti	FD	AC CEACE #1	0							

Activity at Report Time: FRAC STAGE #10

Start	End	Hrs	Activity Description
06:00	06:00	24.0	STAGE #7. SICP 0 PSIG. RU HALL

24.0 STAGE #7. SICP 0 PSIG. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 6108 GAL 16# LINEAR PAD, 20996 GAL 16# LINEAR W/ 18400# 20/40 SAND @ 1-1.25 PPG, 78202 GAL 16# DELTA 140 W/269600# 20/40 SAND @ 2-5 PPG, SCALECHEK HT @ 0.75#/1000# PROP. MTP 7787 PSIG. MTR 50.6 BPM. ATP 6487 PSIG. ATR 49.7 BPM. ISIP 3407 PSIG. RD HALLIBURTON.

STAGE #8. RUWL. SET 6K CFP AT 9021'. PERFORATE NORTH HORN FROM 8723'-24', 8749'-50', 8767'-68', 8819'-20', 8837'-38', 8871'-72', 8922'-23', 8945'-46', 8973'-74' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 5760 GAL 16# LINEAR PAD, 18972 GAL 16# LINEAR W/16600# 20/40 SAND @ 1-1.25 PPG, 67915 GAL 16# DELTA 140 W/225500# 20/40 SAND @ 2-4 PPG, SCALECHEK HT @ 0.75#/1000# PROP. MTP 7262 PSIG. MTR 50.2 BPM. ATP 5842 PSIG. ATR 49.9 BPM. ISIP 3417 PSIG. RD HALLIBURTON.

STAGE #9. RUWL. SET 6K CFP AT 8682'. PERFORATE NORTH HORN FROM 8432'-33', 8457'-58', 8485'-86', 8505'-06', 8522'-23', 8551'-52', 8584'-85', 8642'-43', 8667'-68' @ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 5717 GAL 16# LINEAR PAD, 5657 GAL 16# LINEAR W/2800# 20/40 SAND @ .5 PPG,(LOCKED PERFS UP WHEN SAND HIT.) PUMP 300 GAL 15% HCL @ 1.5 BBL/MIN TO 3 BBL/MIN TO PERFS. RESUMED W/ 1778 GAL 16# LINEAR PAD, 93139 GAL 16# DELTA 140 W/284700# 20/40 SAND @ 0.5-5 PPG, SCALECHEK HT @ 0.75#/1000# PROP. MTP 8600 PSIG. MTR 49.6 BPM. ATP 5868 PSIG. ATR 24.1 BPM. ISIP 3228 PSIG. RD HALLIBURTON.

STAGE #10. RUWL. SET 6K CFP AT 8385'. PERFORATE NORTH HORN FROM 8154'–55', 8174'–75', 8206'–07', 8234'–35', 8266'–67', 8284'–85', 8303'–04', 8343'–44', 8368'–69' @ 3 SPF & 120 DEGREE PHASING. RDWL. SDFN.

02-19-2010	Re	ported	By	MCCURDY							
DailyCosts:	Drilling	:	\$0		Completion	\$846,822		Daily	y Total	\$846,822	
<b>Cum Costs:</b>	Drilling		\$3,211,991	(	Completion	\$1,243,987		Well	Total	\$4,455,979	
MD	11,355	TVD	7,18	2 Progress	<b>s</b> 0	Days	46	MW	0.0	Visc	0.0
Formation:	NORTH I	IORN	PBTD	: 11304.0		<b>Perf:</b> 7807' -	- 10913'		PKR Dep	oth: 0.0	

Activity at Report Time: MIRUSU CLEAN OUT SAND AND DRILL OUT FRAC PLUGS

### Start End Hrs Activity Description

06:00 06:00

24.0 INTIAL PRESSURE 310 PSIG. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 4722 GAL 16# LINEAR PAD, 18956 GAL 16# LINEAR W/16600# 20/40 SAND @ 1-1.25 PPG, 52536 GAL 16# DELTA 140 W/165900# 20/40 SAND @ 2-4 PPG, W/ SCALECHEK HT @ 0.75 LB/1000 PROP. MTP 7602 PSIG. MTR 50.7 BPM. ATP 5798 PSIG. ATR 50.7 BPM. ISIP 1973 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 8110'. PERFORATE NORTH HORN FROM 7807'-08', 7817'-18', 7826'-27', 7856'-57', 7976'-77', 8014'-15', 8023'-24', 8038'-39', 8071'-72'@ 3 SPF & 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/500 GAL 15% HCL, 110 GAL K-87 MICROBIOCIDE, DROP BALL, 4890 GAL 16# LINEAR PAD, 3219 GAL 16# DELTA 140 W/1600# 20/40 SAND @ 0.5 PPG, 2559 GAL 16# DELTA 140 PAD, 85884 GAL 16# DELTA 140 W/272000# 20/40 SAND @ 0.5-5 PPG,W/ SCALECHEK HT @ 0.75 LB/1000 PROP. MTP 8560 PSIG. MTR 50.9 BPM. ATP 6607 PSIG. ATR 39.8 BPM. ISIP 2556 PSIG. RD HALLIBURTON.

RUWL. SET 6K CBP AT 6716'. BLED WELL TO 0 PSIG. RDMO CUTTERS WIRELINE & HALIBURTON SERVICES. SWIFN. MIRUSU. SDFN.

02-20-20	)10 R	eported B	Ву Н	ISLOP							
DailyCost	ts: Drilling	\$0	)	Cor	npletion	\$6,093		Daily	Total	\$6,093	
Cum Cos	ts: Drilling	\$3	3,211,991	Cor	npletion	\$1,250,080		Well	Total	\$4,462,072	
MD	11,355	TVD	7,182	Progress	0	Days	47	MW	0.0	Visc	0.0
Formatio	n: NORTH	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf:</b> 7807' –	10913'		PKR Dep	oth: 0.0	
Activity a	t Report T	ime: CLEA	AN OUT AFTEI	R FRAC							
Start	End	Hrs	<b>Activity Desc</b>	ription							
06:00	06:00					P. RIH W/3–7/8" ( TO CBP @ 6716'.		K INSERT M	ILL & 2-7/8'	' ECTD MOTO	OR
02-23-20	010 R	eported B	Ву	ISLOP/BAUSC	Н						

DailyCos	ts: Drilling	\$0		Con	npletion	\$21,374		Dail	y Total	\$21,374	
Cum Cos	ts: Drilling	\$3,	211,991	Con	npletion	\$1,271,454		Well	l Total	\$4,483,446	
MD	11,355	TVD	7,182	Progress	0	Days	48	MW	0.0	Visc	0.0
Formatio	n: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf:</b> 7807'	- 10913'		PKR De	<b>pth</b> : 0.0	
Activity a	ıt Report Ti	me: CLEA	N OUT AFTE	R FRAC							
Start	End	Hrs A	Activity Desc	cription							
06:00	06:00	I V	PUMPED 120	BBLS TFW TO	REGAIN (	CIRCULATION	. FINISHE	D DRILLIN	G CBP. RIH T	LOST CIRCULA TO CFP @ 8089'. & 9021'. CLEAN	. RU
02-24-20	)10 R	eported By	у Н	ISLOP / BAUSO	CH						
DailyCos	ts: Drilling	\$0		Con	npletion	\$40,880		Dail	y Total	\$40,880	
-	ts: Drilling	\$3,	211,991		npletion	\$1,312,334			l Total	\$4,524,326	
MD	11,355	TVD	7,182	Progress	0	Days	49	MW	0.0	Visc	0.0
Formatio	n: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf:</b> 7807'	- 10913'		PKR De	<b>pth:</b> 0.0	
Activity a	ıt Report Ti	me: C/O A	FTER FRAC.							=	
Start	End	Hrs A	Activity Desc	cription							
		( F	GETTING STU	JCK. WORKED	PIPE FOR	R 60' AND CAM	1E FREE. I	OH. LD BI	HA. MU 2 3/8	H TO 7450'. STA " NOTCHED CO ING N2. BLOW	DLLAR.
02-25-20	)10 R	eported By	у Н	ISLOP/BAUSCI	Н						
DailyCos	ts: Drilling	\$0		Con	npletion	\$36,138		Dail	y Total	\$36,138	
Cum Cos	ts: Drilling	\$3,	211,991	Con	npletion	\$1,348,472		Well	l Total	\$4,560,464	
MD	11,355	TVD	7,182	Progress	0	Days	51	MW	0.0	Visc	0.0
Formatio	n: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf</b> : 7807'	- 10913'		PKR De	<b>pth:</b> 0.0	
Activity a	ıt Report Ti	me: RIH W	//MILL & MO	TOR							
Start	End	Hrs A	Activity Desc	cription							
06:00	06:00	F ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	PUMPED TOT.  LAST 45 MIN CIRCULATED DEBRIS. PUM RECOVERED CIRCULATED BBLS TFW DN TO 6970'. RU I SURFACE IN 4	AL 140,000 SCI @ 2 BPM. NO S WITH 115,500 PED 15 BBLS T 78 BLW W/LIG WITH 105,000 N TBG. POH. LI HALLIBURTON	F N2 AT 20 SAND OR SCF N2. R FFW DN T HT SAND SCF N2. 1 D NC. RIH N. CIRCUL AD WELL	00 PSIG MPP. I PLUG DEBRIS RECOVERED 1. BG. RIH TO 93 . PUMPED 15 I 900 PSIG MPP. WITH 3-7/8" ( .ATED W/62,00 1-1/2 HRS. RE	RECOVER BLW. 19 COVER RECOVE CONVEX I COVEREI COVEREI COVEREI	ED 184 BLV 0 15 BBLS T 000 PSIG M ULATED W 1 DOWN TB RED 116 BL NSERT MII @ 600 SCFM 0 120 BLW.	W. RETURNS FW DN TBG PP. RECOVEI ITH 7,500 SC G. RIH TO 96 W W/TRACE LL &,2-7/8" F M & 1 BPM @ PUMPED 20	FACE @ 5:00 AM STABILIZED FO. RIH TO 8323'. RED SOME PLU F N2. 1900 PSIG 523' WITH NO T. S SAND. PUMPE ECTD MOTOR A 1100 PSIG. FLU BBLS TFW DN 1	OR THE  G  MPP.  AG.  D 30  SSEMBLY  UID TO
02-26-20	)10 R	eported By	у Н	ISLOP / BAUSO	CH						
DailyCos	ts: Drilling	\$0		Con	npletion	\$17,916		Dail	y Total	\$17,916	
Cum Cos	ts: Drilling	\$3,	211,991	Con	npletion	\$1,366,388	;	Well	l Total	\$4,578,380	
MD	11,355	TVD	7,182	Progress	0	Days	52	MW	0.0	Visc	0.0
Formatio	n: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf</b> : 7807	- 10913'		PKR De	<b>pth</b> : 0.0	
Activity a	ıt Report Ti	me: PREP	TO POH W/M	ILL & MOTOR					•		

Well Name: CWU 1227–06H Field: CHAPITA DEEP Property: 059160

## Start End Hrs Activity Description

06:00 06:00

24.0 PUMPED 20 BLW DN TBG. CIRCULATE W/N2 & TFW UNTIL 7 AM. KILL TBG WITH 20 BBLS. POH TO 6700'. WO HES 2 HRS TO RU PUMP LINES CORRECTLY, FCP 800 PSIG ON 32/64" CHOKE, RIH TO TAG @ 9196', RU & CIRCULATE WITH 600 SCF/MIN OF N2 & WATER @ 1.5 BPM. 45 MIN. ANNULUS STILL FLOWING @ 800 PSIG. RIH TO 9607'. WELL DIED. INSTALL 1.875" XN WITH PUMP THROUGH PLUG. @ 11:30 AM START PUMPING N2 & WATER. FLUID TO SURFACE 1 HR 45 MIN. CIRCULATED 45 MIN WELL DIED. CONTINUE WORKING TBG @ PUMPING. PUMPED A TTL OF 96000 SCF OF N2 280 BBLS WATER. UNABLE TO REGAIN CIRCULATION. KILL TBG W/20 BBLS. POH TO EOT @ 6750'. PUMP 87500 SCF OF N2 BEFORE SEEING FLUID TO SURFACE. 5:30 PM TO 7:00 PM PUMPED 170,000 SCF OF N2 @ 1000 PSIG W 1 1/2 BPM. TTL 225 BLW. CIRCULATE HOLE. REC 132 BLW. KILL TBG W/15 BLW. RIH TO EOT @ 8340'. PUMPED FROM 7:30 PM TO 10:00 PM. PUMPED 110,000 SCF OF N2 @ 1500 PSIG 1.5 BPM. TTL 225 BLW. COULD NOT GET CIRCULATION. KILL TBG W/15 BLW. POH TO EOT @ 7657'. 10:40 PM TO 1:00 AM PUMPED 105,000 SCF OF N2 @ 800 SCF/M @ 1600 PSIG W 1 1/4 BPM WTR. TTL 210 BLW. COULD NOT GET CIRCULATION. KILL TBG W 15 BLW. POH TO EOT @ 6811'. TRY TO GET CIRCULATION. PUMPED 20 MIN. WELL STARTED TO CIRCULATE. CIRCULATED WELL FROM 1:30 AM TO 3:00 AM. PUMPED 70,000 SCF @ 800 SCFM @ 1500 PSIG. @ 1 1/4 BPM. TTL 120 BLW. REC 120 BLW. INSTALL 1.875" XN WITH PUMP THROUGH PLUG @ 217 JTS. RIH TO EOT @ 7334'. PUMPED 45 MIN. PUMPED 33,000 SCF @ 800 SCF/M @ 1600 PSIG @ 1? BPM. NO CIRCULATION.POH TO EOT @ 7203 WELL STARTED TO CIRCULATE. CIRCULATE FROM 4:00AM TO 6:00 AM. KILL TBG W 20 BLW. RD HES.

02-27-2010	Re	ported l	By	HISLOP							
DailyCosts:	Drilling	\$	60		Completion	\$156,005		Daily	<b>Total</b>	\$156,005	
<b>Cum Costs:</b>	Drilling	\$	3,211,991		Completion	\$1,522,393		Well	Total	\$4,734,385	
MD	11,355	TVD	7,182	Progres	<b>ss</b> 0	Days	53	MW	0.0	Visc	0.0
Formation:	NORTH H	IORN	PBTD:	11304.0		<b>Perf:</b> 7807' -	- 10913'		PKR Der	oth: 0.0	

Activity at Report Time: MIRU SWAB UNIT

#### Start End Hrs Activity Description

06:00 06:00 24.0 RD DRILLING EQUIPMENT. POH LAY DOWN PH-6 WORK STRING & BHA. RIH WITH PRODUCTION TBG

LAND @ 6430' KB. ND BOP. NU TREE. RDMOSU.

TUBING DETAIL LENGTH

PUMP OFF BIT SUB .91'

1 JT 2-3/8" 4.7# N-80 TBG 32.78'

XN NIPPLE 1.30'

196 JTS 2-3/8" 4.7# N-80 TBG 6379.62"

BELOW KB 16.00'

LANDED @ 6430.11' KB

03-03-2010 Reported By BRINKERHOFF

\$0 \$10,423 \$10,423 DailyCosts: Drilling Completion **Daily Total** \$3,211,991 \$1,532,816 Well Total \$4,744,808 **Cum Costs: Drilling** Completion 11.355 0.0 MD **TVD** 7,182 54 MW**Progress** Visc Days

Activity at Report Time: RU TEST UNIT. TURN TO SALES.

Start End Hrs Activity Description

06:00 18:00 12.0 3-2-10 SWABBING. MIRU C&S, SICP=270 PSIG, TP=0 PSIG. IFL @ 2453'. MADE 3 SWAB RUNS, RECOVERED

18 BBLS, BLEW TO TANK FOR 1 HOUR. CP=350 PSIG, TP=500 PSIG. RDMO C&S.

FLOW WELL 17 HRS ON 32/64" CHOKE. FTP 950 PSIG. CP 1600 PSIG. 36 BPH. RECOVERED 629 BLW. 26271 BLWTR. WILL RU TEST UNIT TODAY & TURN TO SALES.

0.0

03-04-2010 Reported By DUANE COOK

DailyCosts	: Drilling	\$0		Con	pletion	\$2,300		Daily	Total	\$2,300	
Cum Costs	: Drilling	\$3,	,211,991	Con	pletion	\$1,535,110	5	Well	Total	\$4,747,108	
MD	11,355	TVD	7,182	Progress	0	Days	55	MW	0.0	Visc	0.0
Formation	: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf:</b> 7807	' – 10913'		PKR Dep	oth: 0.0	

Activity at Report Time: INITIAL PRODUCTION

Start End Hrs Activity Description

06:00 06:00 24.0 INITIAL PRODUCTION. OPENING PRESSURE: TP 1100 PSIG & CP 1700 PSIG. TURNED WELL OVER TO QUESTAR SALES AT 12:30 PM, 3/3/10. FLOWED 1200 MCFD RATE ON 24/64" POS CHOKE. STATIC 201.

QUESTAR METER #008119 & QUESTAR METER #008117.

RU TEST UNIT. FLOW TEST TO SALES 24 HRS ON 24/64 CHOKE. FTP 1000 PSIG. CP 1700 PSIG. 21 BPH. RECOVERED 521 BLW. 25750 BLWTR. 2295 MCFD RATE.

03-05-2010	Re	ported	By	SEARLE							
DailyCosts: I	rilling		\$0		Completion	\$2,300		Daily T	Total	\$2,300	
Cum Costs: I	Prilling		\$3,211,991		Completion	\$1,537,416		Well To	otal	\$4,749,408	
MD	11,355	TVD	7,18	2 Progr	ress 0	Days	56	MW	0.0	Visc	0.0
Formation:	NORTH I	IORN	PBTD	: 11304.0		<b>Perf:</b> 7807' –	10913'		PKR Dep	oth: 0.0	
A ativity at D	mant Ti		OWTECT								

**Activity at Report Time: FLOW TEST** 

Start End Hrs Activity Description

06:00 06:00 24.0 FLOW TEST TO SALES 24 HRS ON 32/64 CHOKE. FTP 950 PSIG. CP 1550 PSIG. 30 BPH. RECOVERED 652 BLW.

25098 BLWTR. 3115 MCFD RATE.

#### FLOWED 1822 MCF, 20 BC & 670 BW IN 24 HRS ON 24/64" CHOKE. TP 1000 PSIG, CP 1650 PSIG.

03-06-2010	Re	eported l	By S	SEARLE							
DailyCosts:	Drilling	\$	00	C	Completion	\$2,300		Daily	Total	\$2,300	
<b>Cum Costs:</b>	Drilling	\$	3,211,991	C	Completion	\$1,539,716		Well 7	<b>Total</b>	\$4,751,708	
MD	11,355	TVD	7,182	Progress	0	Days	57	MW	0.0	Visc	0.0
Formation:	NORTH I	HORN	PBTD:	11304.0		<b>Perf:</b> 7807'	- 10913'		PKR Dep	oth: 0.0	

**Activity at Report Time:** FLOW TEST

Start End Hrs Activity Description

06:00 06:00 24.0 FLOW TEST TO SALES 24 HRS ON 32/64 CHOKE. FTP 900 PSIG. CP 1500 PSIG. 26 BPH. RECOVERED 628 BLW.

24470 BLWTR. 3415 MCFD RATE.

#### FLOWED 3014 MCF, 0 BC & 652 BW IN 24 HRS ON 32/64" CHOKE. TP 1000 PSIG, CP 1550 PSIG.

03-07-201	0 Re	eported :	By SI	EARLE							
DailyCosts	Drilling	\$	60		Completion	\$2,300		Daily	Total	\$2,300	
<b>Cum Costs</b>	: Drilling	\$	53,211,991		Completion	\$1,542,016		Well	Total	\$4,754,008	
MD	11,355	TVD	7,182	Progres	<b>s</b> 0	Days	58	MW	0.0	Visc	0.0
Formation	: NORTH I	HORN	<b>PBTD</b> : 1	1304.0		<b>Perf:</b> 7807' -	- 10913'		PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity at	Report Ti	me: FLC	OW TEST TO SA	LES							
Start	End	Hrs	<b>Activity Desc</b>	ription							
06:00	06:00	24.0	FLOW TEST T 23950 BLWTR			64 CHOKE. FTP	950 PSIC	G. CP 1450 PS	SIG. 21 BPH.	RECOVERED 5	514 BLW.

#### FLOWED 3232 MCF, 0 BC & 628 BW IN 24 HRS ON 32/64" CHOKE. TP 950 PSIG, CP 1500 PSIG.

03-08-20	110 R	eported I	Rw Si	EARLE							
03-00-20	/10 K	cporteu i		BINEL							
DailyCost	ts: Drilling	\$0	0	(	Completion	\$2,300		Daily	Total	\$2,300	
Cum Cos	ts: Drilling	\$3	3,211,991	•	Completion	\$1,544,31	6	Well '	Total	\$4,756,308	
MD	11,355	TVD	7,182	Progress	<b>s</b> 0	Days	59	MW	0.0	Visc	0.0
Formatio	n: WASATO	CH	<b>PBTD</b> : 1	1304.0		<b>Perf:</b> 7807	' – 10913'		PKR Dep	oth: 0.0	
Activity a	t Report T	ime: FLO	W TEST TO SA	LES							
Start	End	Hrs	<b>Activity Desc</b>	cription							
06:00	06:00	24.0	FLOW TEST T	O SALES 2	4 HRS ON 32/6	64 CHOKE. F	TP 800 PSIC	6. CP 1400 PS	SIG. 17 BPH.	RECOVERED 4	456 BLW.

23594 BLWTR. 3190 MCFD RATE.

#### FLOWED 3368 MCF, 0 BC & 514 BW IN 24 HRS ON 32/64" CHOKE. TP 900 PSIG, CP 1450 PSIG.

03-09-20	10 Re	eported l	By M	IIKE LEBARO	N						
DailyCosts: Drilling \$0			0	Con	mpletion	\$2,300		Daily	Total	\$2,300	
<b>Cum Costs: Drilling</b>		\$3,211,991		Completion		\$1,546,616	Well Total			\$4,758,608	
MD	11,355	TVD	7,182	Progress	0	Days	60	MW	0.0	Visc	0.0
Formation	n: WASATC	Н	PBTD:	11304.0		<b>Perf:</b> 7807' –	<b>pth:</b> 0.0				
Activity a	t Report Ti	me: FLO	W TEST TO SA	LES							
Start	End	Hrs	Activity Des	cription							
06:00	06:00	24.0		O SALES 24 H 3427 MCFD R		64 CHOKE. FTP 9	900 PSIC	G. CP 1350 PS	IG. 13 BPH.	RECOVEREI	) 356 BLW.
			FLOWED 340	MCF 0 BC &	456 BW IN	24 HRS ON 32/6	54" CHO	KE. TP 875 P	SIG. CP 140	0 PSIG	



# UNITED STATES

FORM APPROVED

RECEIVED

MAY 2 5 2010

(A 007)	007) DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT											OMB No. 1004-0137 Expires: July 31, 2010					
	WELL (	COMPL	ETION C	R RE	COMP	LETIC	N REP	ORT	AND I	LOG				ease Serial JTU01304			
1a. Type of	f Well 🔲	Oil Well	<b>⊠</b> Gas	Well	☐ Dry		ther				-	1	6. If	Indian, All	lottee or	Tribe Name	
b. Type of Completion   New Well   Work Over   Deepen   Plug Back   Diff. Resvr.  Other													7. Unit or CA Agreement Name and No. CHAPITA WELLS				
Name of Operator Contact: MICKENZIE GATES     EOG RESOURCES, INC. E-Mail: MICKENZIE_GATES@EOGRESOURCES.COM													Lease Name and Well No.     CHAPITA WELLS UNIT 1227-06H				
3. Address 1060 EAST HIGHWAY 40 VERNAL, UT 84078 3a. Phone No. (include area code) Ph: 453-781-9145												9. API Well No. 43-047-38672					
4. Location of Well (Report location clearly and in accordance with Federal requirements)*											10. Field and Pool, or Exploratory NATURAL BUTTES						
At surface NENE Lot 1 817FNL 702FEL 40.06975 N Lat, 109.36284 W Lon  Reviewed  At top prod interval reported below 1556FNL 1215FEL												11. Sec., T., R., M., or Block and Survey or Area Sec 6 T9S R23E Mer SLB					
					_	10	2 5-	_	2		•		12. County or Parish 13. State UINTAH UT				
At total depth SWSE-9FSL-1359FEL 44 fs 1313 fe  14. Date Spudded 12/20/2008										d.	17. Elevations (DF, KB, RT, GL)* 4891 GL						
										20. Dep	epth Bridge Plug Set: MD TVD						
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) RST/CBL/CCL/VDL/GR  22. Was well cor Was DST run Directional S									T run?		<b>⋈</b> No	☐ Yes	(Submit analysis) (Submit analysis) (Submit analysis)				
23. Casing ar	nd Liner Reco	ord (Repo	rt all strings	set in w	ell)										- <b>/</b>		
Hole Size	Size/G	rade	Wt. (#/ft.)	Top (ME			Stage Cer Dept				1 1			Cement Top*		Amount Pulled	
12.250			36.0		2560		ļ				800			0			
	8.750 7.000 P-110		32.0		7768						895 540			4570			
6.125	6.125 4.500 HCP-110		11.6		_	11349			540		540				4570		
											$\Box$						
24. Tubing	Record	1		<u> </u>	1		<u> </u>		<u> </u>								
	Depth Set (M		cker Depth	(MD)	Size	Dept	h Set (MD)	P	acker De	pth (MI	D)	Size	De	pth Set (M	D) I	Packer Depth (MD)	
2.375 25 Producii		6430				126	Perforation	1 Reco	ord -	70 ~	<del>\</del>						
25. Producing Intervals  Formation To					Bottom	120.			Interval	18c	<del>,                                    </del>	Size No. Holes Perf. S					
A) WASATCH		ATCH	Top B			10913		10741 TO 109					3			- VIII Bravao	
B)								10509 TO 10681						3			
C)						10194 TO 10437								3			
D)									9962 TC	O 1013	11			3			
27. Acid, Fr	acture, Treat	ment, Cen	nent Squeez	e, Etc.													
]	Depth Interva								mount an	d Type	of Ma	terial					
			13 61,691														
			81 72,101		_						_						
			37 79,562														
28 Producti	996 ion - Interval		31 104,020	GALS C	r GELLE	VVAIE	.π α 288,80	U# 20/	40 SAND	<u> </u>							
Date First	Test	Hours	Test	Oil	Gas	T	Vater	Oil Gr	avity	lo	Gas		Producti	on Method			
Produced	roduced Date Tested Pr		Production	duction BBL		ŀ	BBL	Corr. API				1			NO ====		
03/03/2010	03/06/2010	24		0.0		4.0	652.0	C C	21	<del>-  </del> -	Vall C		FLOWS FROM WELL				
Choke Size	Tbg. Press. Csg. 24 Hr. Oil Rate BBL				Gas MCF		Vater BBL	Gas:Oil Ratio			Well Status						
32/64	SI	1550.0		0	30	14	652				PG	W					
	tion - Interva	1 B						,									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF		Vater BBL	Oil Gr Corr. /			Gas Gravity		Producti	on Method			

24 Hr. Rate

Csg. Press.

Choke Size

Tbg. Press. Flwg.

Gas MCF

Oil BBL

Water BBL

Well Status

Gas:Oil Ratio

28h Prod	luction - Interv	al C										
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity		Gas	Production Method		
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. API		Gravity			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	1	Well Status			
28c. Prod	luction - Interv	al D		1								
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API		Gas Gravity	Production Method		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio		Well Status	II Status		
29. Dispo	osition of Gas	Sold, used	d for fuel, ven	ted, etc.)								
	nary of Porous	Zones (I	nclude Aquife	ers):				_	31. F	ormation (Log) Ma	rkers	
tests,	all important including dept ecoveries.	zones of p th interval	porosity and c l tested, cushi	ontents ther on used, tim	eof: Core e tool ope	d intervals and en, flowing and	l all drill-stem I shut-in press	ures				
	Farmation		Ton	Pottom		Description	ons, Contents,	ate		Name		Тор
	Formation		Тор	Bottom		Description	ons, Contents,	eic.		REEN RIVER		Meas. Depth
32. Addit	ional remarks	(include )	7807	10913					B M U W	IRDS NEST IAHOGANY ITELAND BUTTE VASATCH CHAPITA WELLS UCK CANYON		2080 2689 4807 5016 5619 6309
22 Cirol	e enclosed atta	ahmante:										
	e enciosed atta ectrical/Mecha		gs (1 full set re	eq'd.)		2. Geologic	Report		3. DST R	Report	4. Direction	nal Survey
5. Su	ndry Notice fo	or pluggin	g and cement	verification		6. Core An	•		7 Other:			
34. I here	by certify that	the foreg	_	tronic Subn	uission #8	omplete and co 86814 Verified RESOURCES	by the BLM	Well Info	ormation S	ole records (see attac ystem.	ched instruction	ons):
Name	(please print)	MICKE	NZIE GATES	3		···	Title	e <u>OPERA</u>	TIONS CL	ERK		-
Signa	ture	(Electro	nic Submiss	ion)	_	· .	Date	e <u>05/21/2</u>	010			. <u>.</u>
Title 18 U	J.S.C. Section	1001 and	Title 43 U.S.	C. Section 1	212, mak	te it a crime for	r any person k as to any matte	nowingly er within it	and willfull	ly to make to any de	partment or a	gency

## Chapita Wells Unit 1227-06H - ADDITIONAL REMARKS (CONTINUED):

#### 26. PERFORATION RECORD

9682-9892	3/spf
9400-9621	3/spf
9131-9345	3/spf
8723-8974	3/spf
8432-8668	3/spf
8154-8369	3/spf
7807-8072	3/spf

#### 27. ACID, FRACTURE TREATMENT, CEMENT SQUEEZE, ETC.

9682-9892	101,246 GALS GELLED WATER & 288,800# 20/40 SAND
9400-9621	88,545 GALS GELLED WATER & 217,900# 20/40 SAND
9131-9345	105,619 GALS GELLED WATER & 288,000# 20/40 SAND
8723-8974	93,257 GALS GELLED WATER & 242,100# 20/40 SAND
8432-8668	107,201 GALS GELLED WATER & 287,500# 20/40 SAND
8154-8369	76,824 GALS GELLED WATER & 182,500# 20/40 SAND
7807-8072	97,162 GALS GELLED WATER & 273,600# 20/40 SAND

Perforated the North Horn from 10741'-42', 10745'-46', 10770'-71', 10778'-79', 10828'-29', 10835'-36', 10876'-77', 10892'-93', 10912'-13' w/ 3 spf.

Perforated the North Horn from 10509'-10', 10533'-34', 10551'-52', 10568'-69', 10594'-95', 10618'-19', 10647'-48', 10665'-66', 10680'-81' w/ 3 spf.

Perforated the North Horn from 10194'-95', 10238'-39', 10307'-08', 10332'-33', 10364'-65', 10386'-87', 10399'-10400', 10419'-20', 10436'-37' w/ 3 spf.

Perforated the North Horn from 9962'-63', 9978'-79', 10021'-22', 10046'-47', 10064'-65', 10080'-81', 10098'-99', 10110'-11', 10130'-31' w/ 3 spf.

Perforated the North Horn from 9682'-83', 9720'-21', 9739'-40', 9785'-86', 9811'-12', 9838'-39', 9867'-68', 9877'-78', 9891'-92' w/ 3 spf.

Perforated the North Horn from 9400'-01', 9426'-27', 9462'-63', 9500'-01', 9520'-21', 9547'-48', 9577'-78', 9590'-91', 9620'-21' w/ 3 spf.

Perforated the North Horn from 9131'-32', 9149'-50', 9169'-70', 9195'-96', 9225'-26', 9254'-55', 9301'-02', 9319'-20', 9344'-45' w/ 3 spf.

Perforated the North Horn from 8723'-24', 8749'-50', 8767'-68', 8819'-20', 8837'-38', 8871'-72', 8922'-23', 8945'-46', 8973'-74' w/ 3 spf.

Perforated the North Horn from 8432'-33', 8457'-58', 8485'-86', 8505'-06', 8522'-23', 8551'-52', 8584'-85', 8642'-43', 8667'-68' w/ 3 spf.

Perforated the North Horn from 8154'-55', 8174'-75', 8206'-07', 8234'-35', 8266'-67', 8284'-85', 8303'-04', 8343'-44', 8368'-69' w/ 3 spf.

Perforated the North Horn from 7807'-08', 7817'-18', 7826'-27', 7856'-57', 7976'-77', 8014'-15', 8023'-24', 8038'-39', 8071'-72' w/ 3 spf.

# **EOG RESOURCES**

Location: UTAH

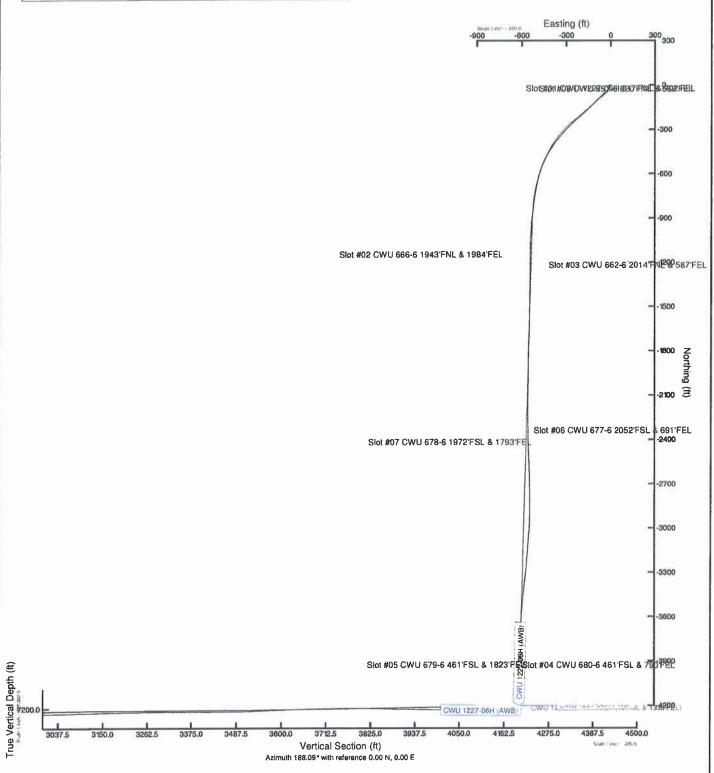
Slot: Slot #01 CWU 1227-06H 817'FNL & 702'FEL Well: CWU 1227-06H

Field: UINTA COUNTY (EOG NAD 27)
Facility: SEC.5-T9S-R23E

Wellbore: CWU 1227-06H (AWB)









# **DRILLING PARAMETERS RECORD**

Company:

**EOG Resources** 

Well Name No.:

CWU 1227-06H CWU 1227-06H

Field:

Natural Buttes

Rig Contractor No.: True 31

County/Block/Parish: Uinita

Date	Depth From	Depth To	Ftg. Drilled	Mode S/R	Drlg. Hrs.	ROP	WOB (Klbs)	Rot RPM	Rot Tq	TFO	Flow Rate	Diff Pres	Temp.	SPP	BHA No.
2/19/2009	10940	10946	6	R	0.583	10.29	16	45			270	450	177	3050	11
2/19/2009	10946	10956	10	0	1.25	8	13			40R	270	250	177	2800	11

Mode	Footage:	Drlg Hrs	Circ Hrs	ROP	WOB (Klbs)	Rot RPM	Rot Tq	Flow Rate	Avg Diff	SPP	-1
Sliding	71	9.4	*****	7.5	15.1			268.8	165.0	2685.0	7
Rotating	581	42.3	*****	13.7	17.7	46.0		269.5	320.5	2835.7	
Total	652	51.8	3.7	12.6	17.1	46.0	0.0	269.3	286.9	2803.1	7
	10050 T 100	J		05 140 6	01 10	(E		070   06	A 1 100	T 0000 T	_

2/19/2009	10956	10986	30	R	2.25	13.33	16	45		270	350	180	2830	12
2/19/2009	10986	10996	10	R	0.917	10.91	16	45		270	350	180	2830	12
2/19/2009	10996	11006	10	0	1.5	6.667	13		40R	270	250	177	2800	12
2/19/2009	11006	11018	12	R	1.083	11.08	20	45		270	300	180	2800	12
2/19/2009	11018	11028	10	R	1	10	20	45		270	300	177	2850	12
2/19/2009	11028	11038	10	0	1.167	8.571	15		25R	270	200	177	2750	12
2/20/2009	11038	11050	12	R	1.167	10.29	20	45		270	300	180	2850	12

Mode	Footage:	Drlg Hrs	Circ Hrs	ROP	WOB (Klbs)	Rot RPM	Rot Tq	Flow Rate	Avg Diff	SPP
Sliding	20	2.7	****	7.5	14.0			270.0	225.0	2775.0
Rotating	74	6.4	*****	11.5	18.4	45.0		270.0	320.0	2832.0
Total	94	9.1	1.1	10.4	17.1	45.0	0.0	270.0	292.9	2815.7

BHI Job #: 2410843

#### ACTUAL WELLPATH REPORT (CSV version)

Prepared by Baker Hughes INTEQ Software System: WellArchitect®2.0

### REFERENCE WELLPATH IDENTIFICATION

Operator EOG RESOURCES

Area UTAH

Field UINTA COUNTY (EOG NAD 27)

Facility SEC.6-T9S-R23E

Slot Slot #01 CWU 1227-06H 817'FNL & 702'FEL

Well CWU 1227-06H
Wellbore CWU 1227-06H (AWB)
Wellpath CWU 1227-06H (AWB)\_awp
Sidetrack (none)

Sidellack (Horie)

#### REPORT SETUP INFORMATION

Projection : NAD27 / Lambert Utah State Planes, Central Zone (4302), US feet

North Refe TRUE
Scale 0.999907
Convergen 1.37° East
Software S WellArchitect®
User Chrijamk

Report Ger 2/20/2009 at 3:34:21 AM DataBase/: WellArchitectDB/ev01.xml

#### WELLPAT Local North Local East Grid East Grid North Latitude Longitude

[ft] [ft] [ft] [ft]

Slot Locatic 0 0 2598237 639614.3 40°04'11.2 109°21'43.776"W Facility Ref 2598237 639614.3 40°04'11.2 109°21'43.776"W Field Refer 2592966 616733.3 40°00'26.3 109°22'58.520"W

#### WELLPATH DATUM

Calculation Minimum curvature

Horizontal Slot

Vertical Re Rig on SLOT#1 CWU 1227-06 (817'FNL & 702'FEL) (RT)

MD Refere Rig on SLOT#1 CWU 1227-06 (817'FNL & 702'FEL) (RT)

Field Vertic Mean Sea Level

Rig on SLC 4910.00ft

Rig on SLC 4910.00ft

Facility Ver 0.00ft

Section Ori 0.00ft Section Ori 0.00ft

Section Az 188.09°

WELLPATH DATA Wellbore: CWU 1227-06H (AWB) Wellpath: CWU 1227-06H (AWB)\_awp † = inter

	MD	Inclination	Azimuth	TVD	Vert Sect	North	East	DLS	
	[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[°/100ft]	
†	(	) (	204.77	0	0	0	0	0	
	20	) (	204.77	20	0	0	0	0	
	2580	) 1.23	204.77	2579.8	26.32	-24.95	-11.51	0.05	
	2675	0.35	236.06	2674.79	27.49	-26.04	-12.18	1	
	2771	0.44	342.23	2770.79	27.36	-25.85	-12.54	0.66	
	2864	0.44	336.61	2863.79	26.73	-25.18	-12.79	0.05	
	2957	0.35	334.5	2956.79	26.19	-24.6	-13.05	0.1	

3052	0.35	320.08	3051.79	25.75	-24.11	-13.36	0.09
3147	0.18	255.04	3146.78	25.62	-23.93	-13.69	0.34
3303	0.44	221.64	3302.78	26.21	-24.44	-14.33	0.2
3398	0.26	215.32	3397.78	26.71	-24.89	-14.69	0.19
3492	1.58	348.21	3491.77	25.68	-23.79	-15.08	1.88
3586	0.18	349.61	3585.76	24.32	-22.38	-15.37	1.49
3682	0.18	265.94	3681.76	24.21	-22.24	-15.55	0.25
3777	0.53	183.32	3776.75	24.68	-22.69	-15.73	0.57
3872	0.44	175.6	3871.75	25.47	-23.49	-15.72	0.12
3967	0.18	111.96	3966.75	25.86	-23.91	-15.56	0.42
4062	0.35	15.63	4061.75	25.61	-23.69	-15.34	0.43
4157	0.44	40.97	4156.75	25.02	-23.14	-15.02	0.2
4251	0.44	29.34	4250.74	24.38	-22.55	-14.61	0.09
4347	0.44	23.71	4346.74	23.68	-21.89	-14.28	0.05
4442	0.18	56.76	4441.74	23.23	-21.47	-14.01	0.32
4535	0.09	184.38	4534.74	23.21	-21.47	-13.89	0.26
4631	0.44	163.99	4630.74	23.62	-21.9	-13.8	0.37
4725	0.26	271.57	4724.74	23.97	-22.24	-13.91	0.61
4818	0.53	24.77	4817.74	23.58	-21.84	-13.94	0.73
4910	0.53	30.04	4909.73	22.78	-21.09	-13.55	0.05
5004	0.53	12.82	5003.73	21.95	-20.29	-13.24	0.17
5100	0.97	353.83	5099.72	20.72	-19.04	-13.22	0.52
5194	1.23	356.64	5193.7	18.96	-17.25	-13.37	0.28
5288	1.23	354.89	5287.68	16.98	-15.23	-13.52	0.04
5381	1.41	1.57	5380.66	14.88	-13.1	-13.58	0.25
5477	1.41	7.19	5476.63	12.52	-10.74	-13.4	0.14
5570	1.41	13.17	5569.6	10.24	-8.49	-12.99	0.16
5666	1.49	22.31	5665.57	7.85	-6.19	-12.25	0.25
5759	1.49	38.48	5758.54	5.64	-4.12	-11.04	0.45
5853	1.23	44.46	5852.51	3.77	-2.45	-9.57	0.31
5947	0.97	51.84	5946.49	2.38	-1.24	-8.24	0.31
6041	0.88	65.9	6040.48	1.42	-0.45	-6.95	0.26
6135	0.97	81.37	6134.47	0.81	-0.04	<i>-</i> 5.51	0.28
6230	0.88	95.78	6229.46	0.55	0.01	-3.99	0.26
6325	0.88	115.47	6324.45	0.74	-0.38	-2.6	0.32
6359	1.05	133.71	6358.44	1	-0.7	-2.14	1.03
6390	1.23	179.4	6389.44	1.49	-1.23	-1.93	2.9
6422	2.46	187.5	6421.42	2.52	-2.26	-2.02	3.92
6453	4.31	199.8	6452.36	4.32	-4.01	-2.5	6.38
6485	6.33	206.48	6484.22	7.18	-6.72	-3.69	6.59
6517	7.82	207.89	6515.98	10.9	-10.23	-5.5	4.69
6547	9.84	209.29	6545.62	15.21	-14.27	-7.71	6.77
6579	12.22	211.76	6577.03	20.86	-19.53	-10.83	7.58
6609	14.24	216.68	6606.23	27.01	-25.19	-14.7	7.7
6640	16.08	220.9	6636.15	33.97	-31.49	-19.79	6.92
6671	18.02	223.71	6665.79	41.47	-38.21	-25.92	6.8
6702	20.83	224.76	6695.02	49.79	-45.59	-33.11	9.13
6734	23.74	225.47	6724.63	59.48	-54.15	-41.71	9.13
6766	26.89	225.82	6753.55	70.32	-63.71	-51.5	9.85
6797	29.44	226.52	6780.88	81.83	-73.84	-62.06	8.29
6828	32.61	226.87	6807.44	94.32	-84.79	-73.68	10.24
6859	36.12	226.87	6833.03	107.95	-96.76	-86.45	11.32
6891	39.73	225.47	6858.27	123.44	-110.38	-100.63	11.6
6922	42.71	224.41	6881.58	139.78	-124.84	-115.05	9.87
6953	45.44	224.76	6903.85	157.12	-140.2	-130.19	8.84

6985	48.69	226.17	6925.65	175.72	-156.62	-146.89	10.66
7017	50.71	227.93	6946.34	194.7	-173.24	-164.76	7.58
7049	52.38	228.63	6966.24	213.84	-189.92	-183.46	5.49
7080	54.93	228.28	6984.61	232.86	-206.48	-202.15	8.28
7110	55.81	228.28	7001.66	251.71	-222.9	-220.57	2.93
7141	56.51	228.98	7018.92	271.28	-239.92	-239.9	2.94
7173	57.66	227.93	7036.31	291.75	-257.74	-260	4.53
7205	59.41	225.82	7053.02	313.02	-276.4	-279.92	7.84
7237	61.26	223.36	7068.86	335.37	-296.2	-299.43	8.83
7268	63.19	220.9	7083.3	358.1	-316.54	-317.82	9.38
			7003.3		-338.34	-336.46	3.63
7300	64.16	220.19		382.3			
7332	64.25	218.44	7111.42	406.94	-360.63	-354.72	4.93
7363	65.21	217.03	7124.65	431.3	-382.8	-371.87	5.15
7394	66.18	215.27	7137.41	456.23	-405.61	-388.54	6.05
7425	67.41	212.46	7149.63	481.88	-429.27	-404.41	9.23
7457	68.82	210	7161.56	509.18	-454.65	-419.8	8.38
7487	70.4	207.19	7172.01	535.52	-479.34	-433.25	10.24
7520	71.89	204.37	7182.68	565.27	-507.46	-446.83	9.26
7552	72.95	201.91	7192.35	594.72	-535.51	-458.81	8.04
7583	74.18	199.45	7201.12	623.74	-563.33	-469.31	8.58
7615	74,53	197.34	7209.75	654.05	-592.56	-479.03	6.44
7646	75.76	194.88	7217.7	683.72	-621.35	-487.35	8.64
7676	77.87	192.42	7224.54	712.79	-649.73	-494.24	10.64
7708	80.07	190.66	7230.66	744.14	-680.5	-500.52	8.74
7724	80.68	189.61	7233.34	759.9	-696.03	-503.29	7.51
7807	84.02	187.7	7244.39	842.15	-777.34	-515.66	4.63
7838	85.75	187.52	7247.15	873.02	-807.94	-519.75	5.61
7871	88.37	186.7	7248.84	905.97	-840.64	-523.83	8.32
7903	90.8	185.76	7249.07	937.95	-872.45	-527.3	8.14
7929	90.34	185.88	7248.82	963.93	-898.31	-529.94	1.83
7967	90.62	184.33	7248.5	1001.87	-936.16	-533.32	4.14
7999	91.67	183.98	7247.86	1033.79	-968.07	-535.64	3.46
				1065.68	-999.99		2.33
8031	91.93	183.28	7246.85			-537.66	
8064	91.93	182.93	7245.74	1098.53	-1032.92	-539.45 540.60	1.06
8096	91.23	181.52	7244.86	1130.35	-1064.88	-540.69	4.92
8128	90.18	180.82	7244.47	1162.12	-1096.88	-541.35	3.94
8193	90.09	180.47	7244.31	1226.57	-1161.87	-542.08	0.56
8225	90.62	180.82	7244.11	1258.3	-1193.87	-542.44	1.98
8291	89.47	181.17	7244.06	1323.79	-1259.86	-543.58	1.82
8355	88.77	180.47	7245.04	1387.27	-1323.84	-544.5	1.55
8419	89.38	180.47	7246.08	1450.7	-1387.83	-545.02	0.95
8484	90.26	180.82	7246.28	1515.15	-1452.83	-545.76	1.46
8549	90.35	181.17	7245.94	1579.65	-1517.82	-546.88	0.56
8613	90.09	181.17	7245.69	1643.18	-1581.8	-548.19	0.41
8676	92.02	181.17	7244.53	1705.71	-1644.77	-549.48	3.06
8741	92.9	182.22	7241.74	1770.25	-1709.68	-551.4	2.11
8774	93.52	181.52	7239.89	1803	-1742.61	-552.47	2.83
8806	92.72	180.82	7238.15	1834.72	-1774.56	-553.13	3.32
8870	93.08	180.82	7234.91	1898.13	-1838.47	-554.04	0.56
8934	92.64	179.76	7231.72	1961.45	-1902.39	-554.36	1.79
8999	93.16	180.82	7228.43	2025.77	-1967.3	-554.69	1.81
9064	91.76	180.82	7225.64	2090.19	-2032.24	-555.62	2.15
9096	91.05	181.17	7224.86	2121.93	-2064.22	-556.18	2.47
9161	89.82	180.12	7224.36	2186.38	-2129.21	-556.91	2.49
9228	89.82	179.76	7224.50	2252.7	-212 <i>9.</i> 21	-556.84	0.54
3220	09.02	173.70	1224.01	££0£.1	~& 10U.& 1	-000.04	U.U <del>4</del>

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					7	E	
9292	90.18	180.12	7224.57	2316.06	-2260.21	-556.77	0.8
9357	90.7	179.06	7224.07	2380.34	-2325.21	-556.31	1.82
9421	90.97	178.71	7223.14	2443.51	-2389.19	-555.06	0.69
9485	90.88	178.36	7222.11	2506.62	-2453.16	-553.43	0.56
9549	90.18	178.01	7221.52	2569.66	-2517.12	-551.4	1.22
9615	91.05	177.3	7220.81	2634.56	-2583.06	-548.7	1.7
9679	91.23	179.41	7219.53	2697.63	-2647.02	-546.86	3.31
9738	91.23	178.36	7218.27	2755.85	-2706	-545.71	1.78
9803	90.97	179.06	7217.02	2819.97	-2770.97	-544.25	1.15
9868	91.05	179.76	7215.87	2884.22	-2835.95	-543.58	1.08
9932	90.79	181.17	7214.85	2947.64	-2899.94	-544.1	2.24
9997	90.62	182.22	7214.05	3012.23	-2964.91	-546.02	1.64
10062	91.32	183.63	7212.95	3076.96	-3029.81	-549.34	2.42
10127	91.49	184.69	7211.35	3141.79	-3094.62	-554.05	1.65
10190	91.05	184.33	7209.96	3204.65	-3157.41	-559.01	0.9
10255	90.88	184.69	7208.86	3269.51	-3222.2	-564.12	0.61
10321	89.74	185.74	7208.5	3335.43	-3287.92	-570.12	2.35
10385	90.18	186.44	7208.55	3399.39	-3351.56	-576.9	1.29
10449	90.44	186.44	7208.2	3463.36	-3415.16	-584.08	0.41
10523	91.85	185.39	7206.72	3537.29	-3488.74	-591.71	2.38
10579	92.37	184.69	7204.66	3593.17	-3544.49	-596.62	1.56
10644	92.37	183.63	7201.97	3657.96	-3609.26	-601.33	1.63
10708	90.79	182.93	7200.21	3721.71	-3673.13	-604.99	2.7
10772	89.91	182.22	7199.82	3785.41	-3737.06	-607.87	1.77
10837	88.42	180.82	7200.77	3849.98	-3802.03	-609.59	3.15
10928	88.77	180.12	7203	3940.14	-3893	-610.34	0.86
10992	89.56	181.17	7203.93	4003.6	-3956.99	-611.06	2.05

TARGETS

Name MD TVD North East Grid East Grid North Latitude Longitude Shape
[ft] [ft] [ft] [ft] [srv ft] [srv ft]

CWU 1227-06H TAR( 7175 -4379.32 -622.2 2597719 635221.8 40°03'27.9 109°21'51. point

[ft] [ft] 8 3/4" Hole 20 10992 MTC (Collar, pre-2000) (Standard)

Sundry Number: 33821 API Well Number: 43047386720000 FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

-							
	STATE OF UTAH		FORM 9				
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: U-01304				
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS				
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1227-6H				
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047386720000				
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	O N , Denver, CO, 80202	PHONE NUMBER: 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES				
4. LOCATION OF WELL FOOTAGES AT SURFACE:			COUNTY: UINTAH				
0817 FNL 0702 FEL QTR/QTR, SECTION, TOWNSI Qtr/Qtr: NENE Section: 0	STATE: UTAH						
11. CHEC	K APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
1/22/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION				
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
_	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
Report Date:	WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Compressor				
12 DESCRIBE PROPOSED OR		·					
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  EOG Resources, Inc. respectfully requests authorization to install a Caterpillar 3306 gas engine skid mounted mobile unit or equivalent, with an associated small H2S treatment facility on the existing well pad. The unit would be set on existing disturbance for a minimum of 1 year and tie into the existing well. The purpose is to enhance production with gas lift and safely incorporate the existence and treatment of H2S with the treatment facility. The target formation is the Mesaverde and initial start up would be upon approval of this sundry. Attached please find the well pad location TOPO B and C, and H2S justification. An updated site facility diagram will follow post installation.							
NAME (PLEASE PRINT) Vail Nazzaro	<b>PHONE NUMB</b> 303 824-5590	Sr. Regulatory Assistant					
SIGNATURE N/A		<b>DATE</b> 1/15/2013					

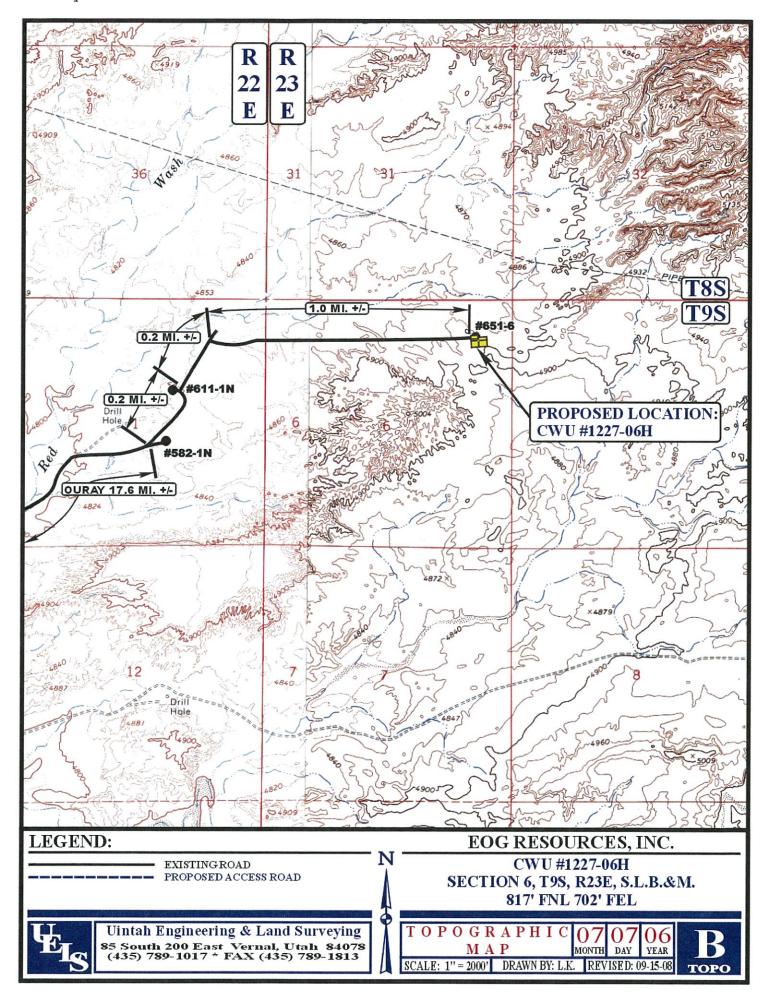
Sundry Number: 33821 API Well Number: 43047386720000

#### **H2S Verification for Compressor Sundry**

H2S in the surface gas gathering system is a result of bacterial contamination of the subsurface formation by sulfate reducing bacteria. These bacteria produce gaseous H2S as a function of their metabolism. Due to the fact that not all wells are contaminated with H2S, this leads to fluctuations in the concentration of this contaminate. Acute increases in H2S in the surface gas gathering systems are a result of sour gas and the line temperature. These conditions cause H2S treating to become variable and difficult to manage on a well to well basis.

Installing this facility has additional direct and indirect benefits. The reduction of H2S in the surface gas will improve the operational safety by preventing exposure of the personnel from accidental releases. It will also serve to reduce corrosion in surface piping and equipment thereby extending the life of the pipe and will require less maintenance. Furthermore, it will eliminate the risk of unintentional release of H2S into the atmosphere and decrease impacts to the air quality in the area.

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